Audiopipe®
Hwy 836, U.S.A.

Mini Design MOSFET Car Amplifier

Mini Amplificador MOSFET para Auto

APSM-1150
300W

APSM-2075
1000W

APSM-4050
1000W

APSM-1300
1000W

Owner's Manual

Manual Del Usuario

MEMBER

Consumer Electronics Association

INTRODUCTION

Congratulations!

Thank you for purchasing this Audiopipe amplifier for your car audio system. Now you own an amplifier of uncompromising design and engineering incorporating the latest advanced circuit technology. You will discover soon that our amplifiers display optimum sound with high quality and provide reliable performance.

Audiopipe amplifiers are adopted by advanced craftsmanship which use the highest quality components and strict quality control system. In order to provide you the best performance. We recommend you to contact an authorized Audiopipe Dealer to do the installation.

Please read this manual thoroughly to ensure that you can get the maximum benefit from this new amplifier. When you install it properly, this unit will provide you years of trouble-free performance.

ABOUT THE MANUAL

Congratulations on your purchase of the Audiopipe Power Amplifier. We are committed to high-quality music reproduction, and we are confident that you will be pleased with your purchase. These products provide optimum performance, which we are sure you will enjoy for years to come.
For maximum performance Audiopipe recommends having your amplifier installed by an authorized Audiopipe dealer.

WARRANTY

Audiopipe warrants this amplifier for one year from date of purchase against all manufacturing defects only.
Warranty does not include physical damage or electrical abuse from being over-driven or short circuit from speaker failure.
Amplifier must be installed by an authorized Audiopipe dealer or there is no warranty.
Amplifier must be returned to Audiopipe freight pre-paid, Audiopipe will pay return freight to authorized dealer.

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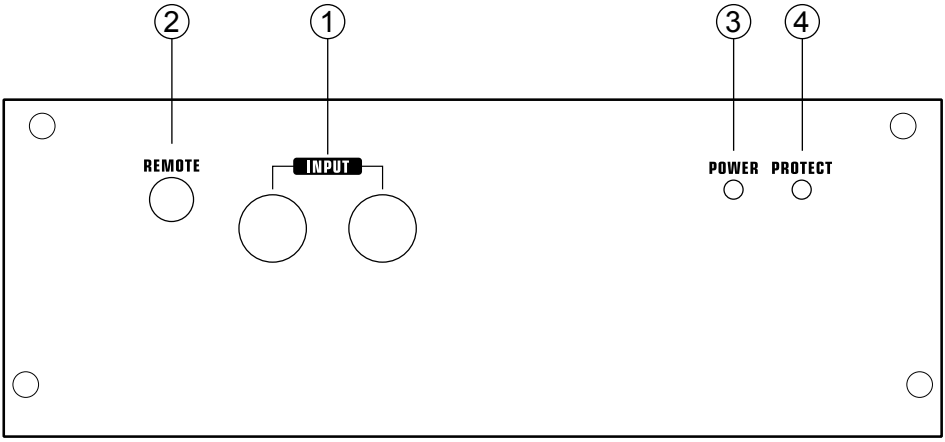
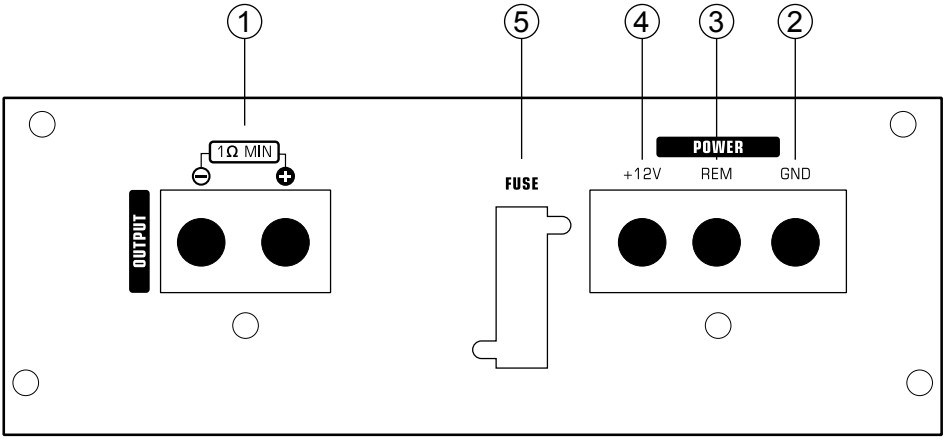
AMPLIFIER FUNCTIONS

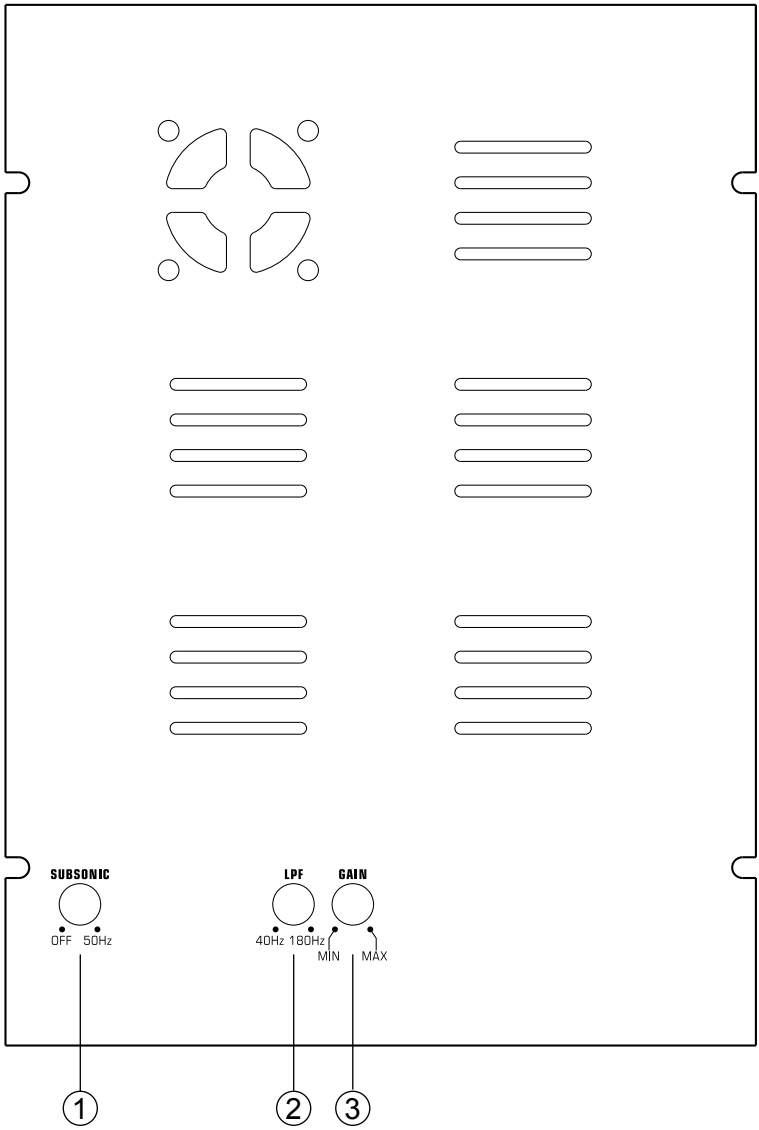
APSM-1150



1. RCA Input Jacks
2. Remote Bass Level Control
3. Power Indicator LED
4. Protection Circuit Indicator LED

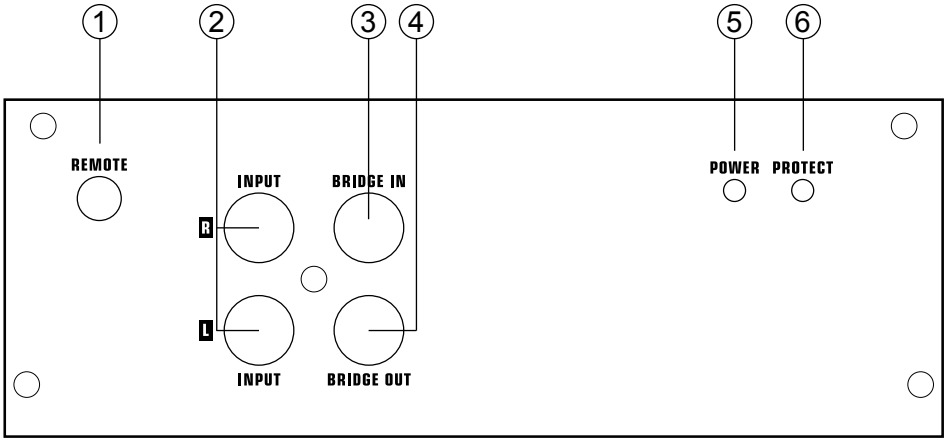


1. Speaker Connection
2. Ground
3. Remote Turn-on Input
4. Battery +12V Input
5. 40Amp Fuse

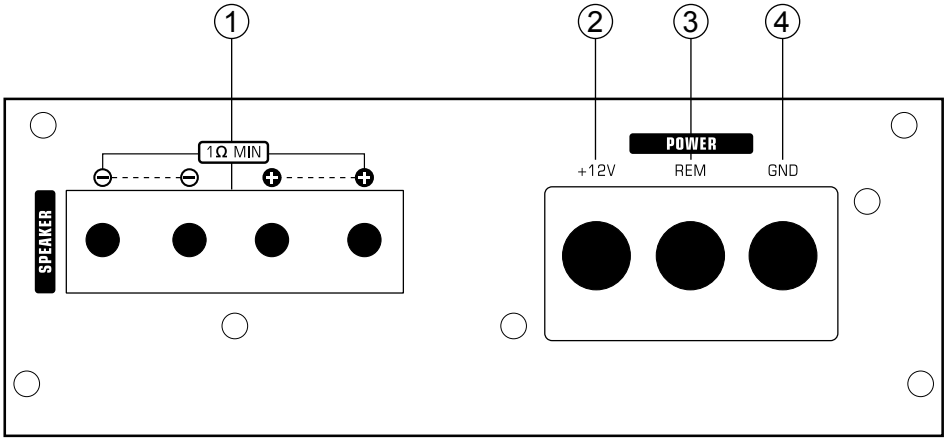


1. SUBSONIC
2. Low Pass Filter
3. GAIN Control

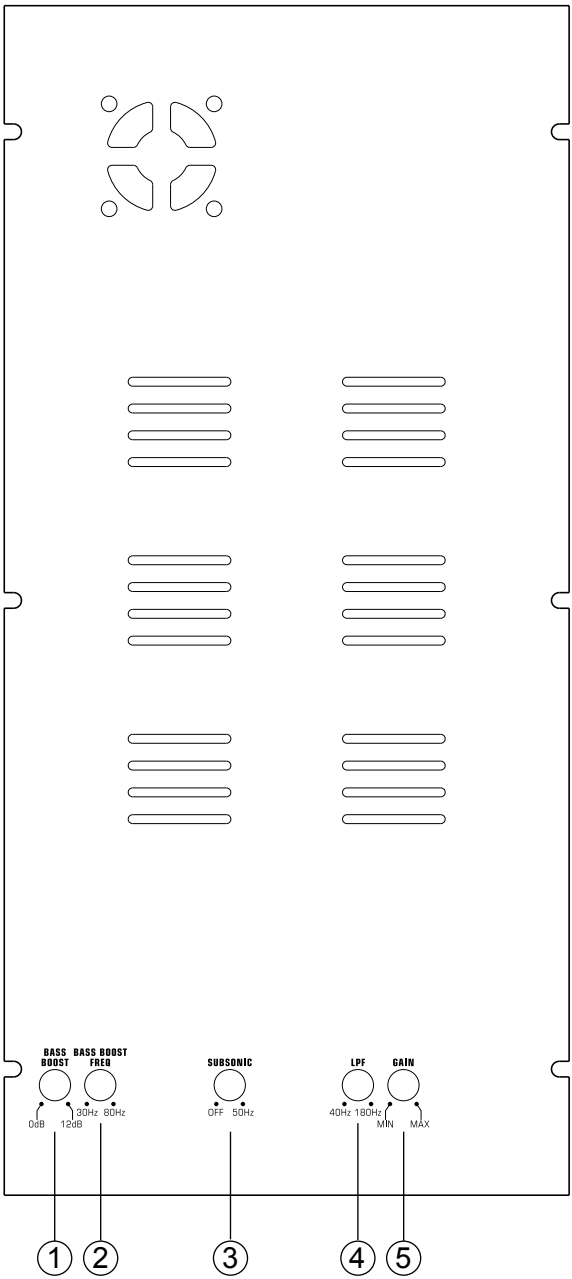
APSM-1300



1. Remote Bass Level Control
2. RCA Input Jacks
3. Bridge in
4. Bridge out
5. Power Indicator LED
6. Protection Circuit Indicator LED

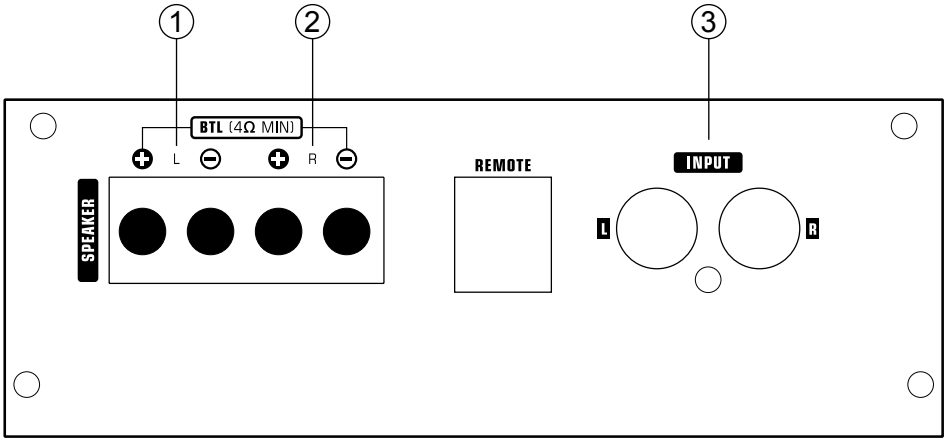


1. Speaker Connection
2. Battery +12V Input
3. Remote Turn-on Input
4. Ground

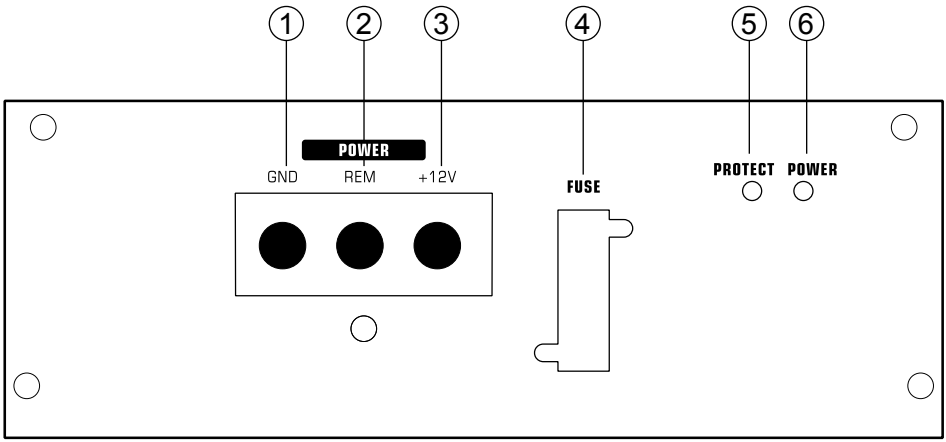


1. Bass boost Level
2. Bass boost Frequency
3. SUBSONIC
4. Low Pass Filter
5. GAIN Control

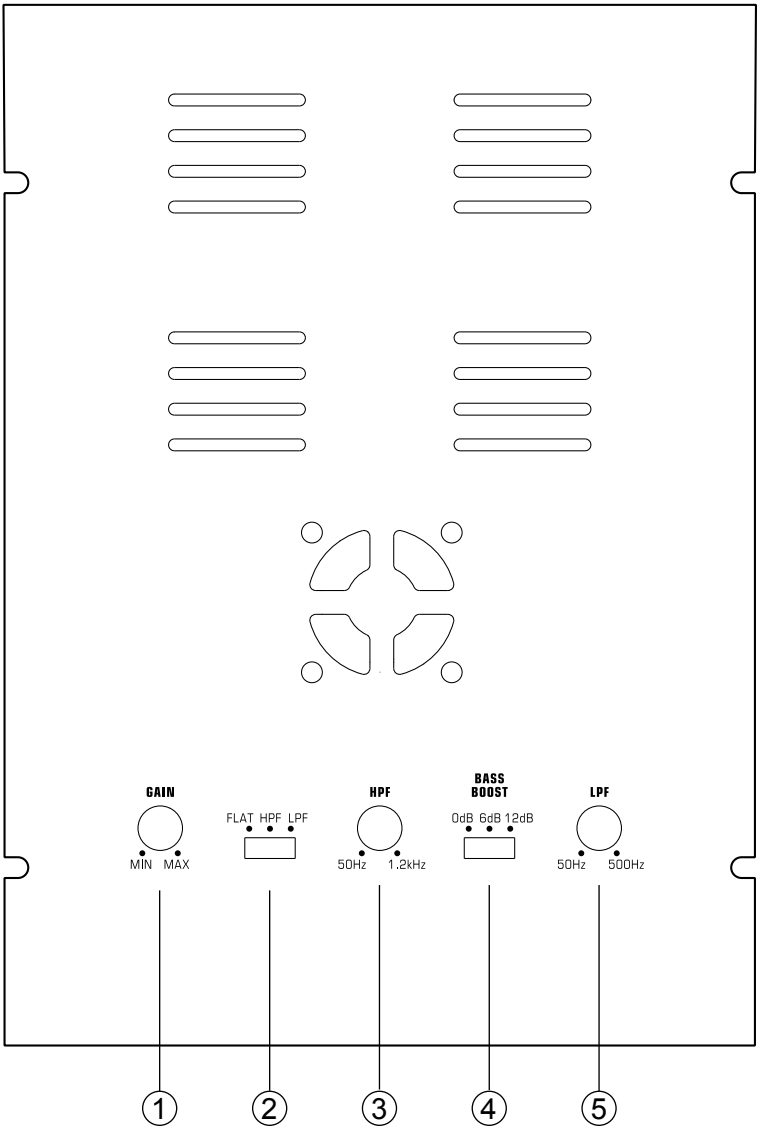
APSM-2075



1. Left Speaker Output
2. Right Speaker Output
3. RCA Input Jacks

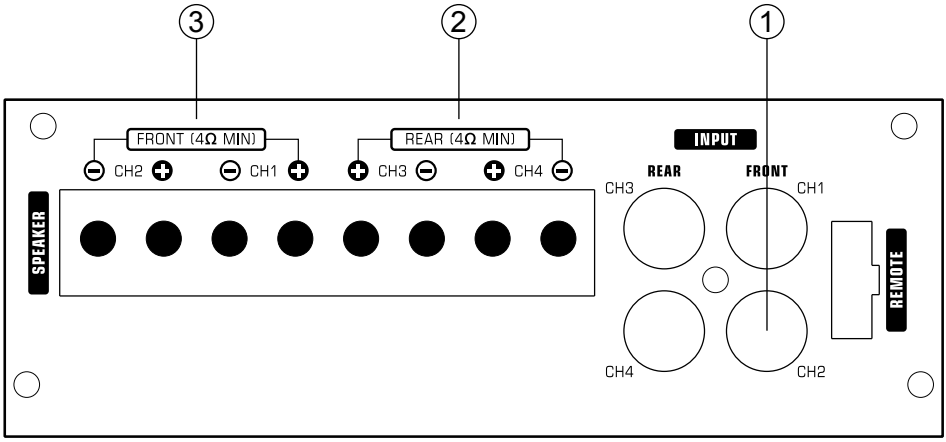


1. Ground
2. Remote Turn-on Input
3. Battery +12V Input
4. 30Amp Fuse
5. Protection Circuit Indicator LED
6. Power Indicator LED

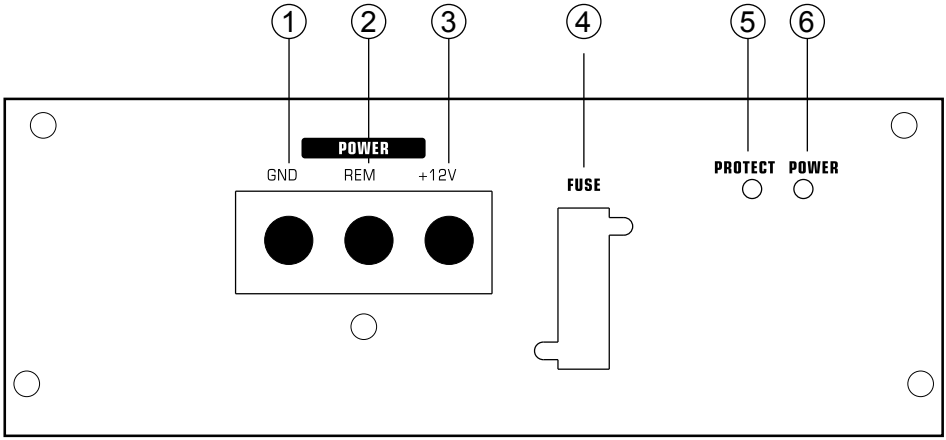


1. GAIN Control
2. Filter Select Switch
3. HPF Control
4. Bass boost Level
5. LPF Control

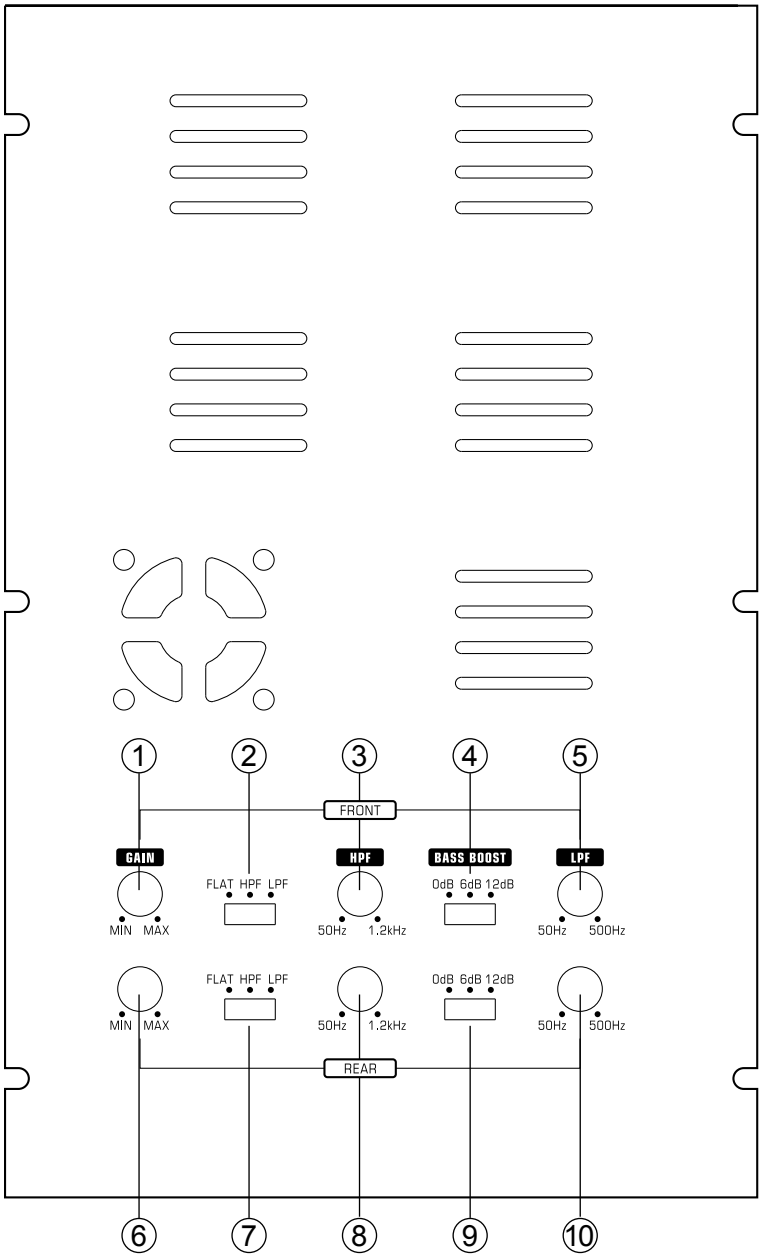
APSM-4050



1. RCA Input Jacks
2. Rear Speaker Output
3. Front Speaker Output



1. Ground
2. Remote Turn-on Input
3. Battery +12V Input
3. 40Amp Fuse
5. Protection LED
6. Power LED



1. Front GAIN Control
2. Front Filter Select Switch
3. Front HPF Control
4. Front Bass boost Level
5. Front LPF Control
6. Rear GAIN Control
7. Rear Filter Select Switch
8. Rear HPF Control
9. Rear Bass boost Level
10. Rear LPF Control

INSTALLATION

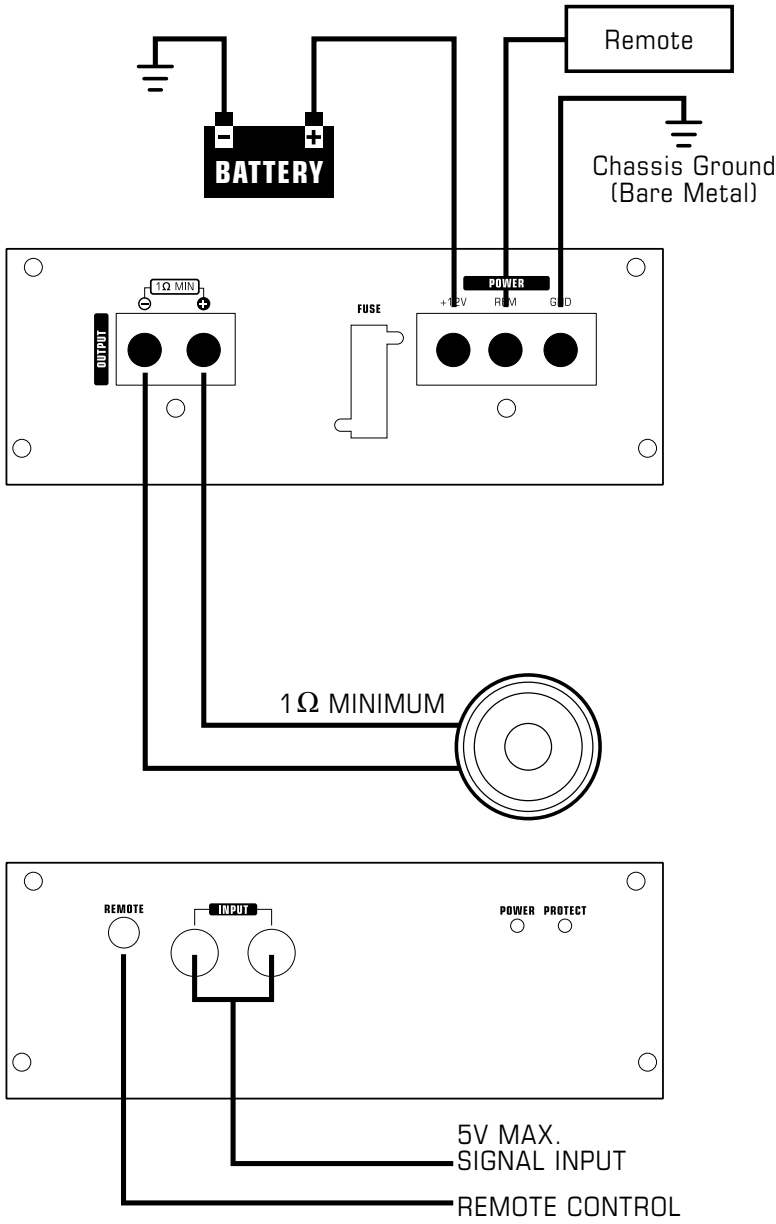
We recommend you have the installation done by an Authorized Audiopipe Dealer. The ground wire should be connected directly with the chassis of your vehicle which should be a metal to metal ground point connection. The amplifier must be mounted securely at a solid, dry and low vibration surface in the trunk or passenger area. Mount the amplifier in an open air area to insure proper heat dissipation. Mount the amplifier in a place where you can access it easily to set the input controllers. Install all amplifier cables as far as possible from car electrical cables such as the car ignition cable.

IMPORTANT:

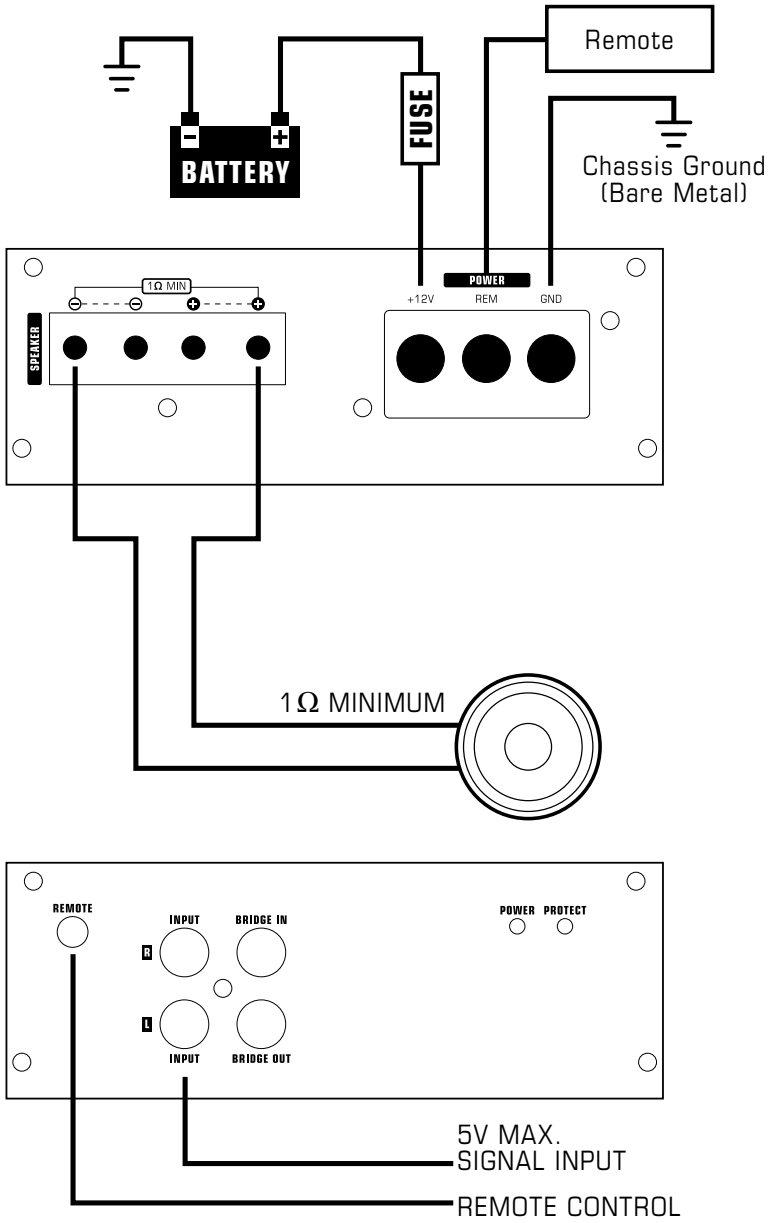
- When bridging two amplifiers please refer the bridging wiring chart.
- When bridging two amplifiers you should use same model amplifiers.
- Please make sure the negative speaker terminal of two amplifiers are connected by the same gauge cables as the positive terminal being used.
- DO NOT connect any signal cables with the input RCA jacks when bridged as slave unit.
- The LPF, Input level and remote functions will be disabled on slave amplifier when bridged.
- All the functions of the slave amplifier will be adjusted by the master amplifier.

WIRING AND APPLICATIONS

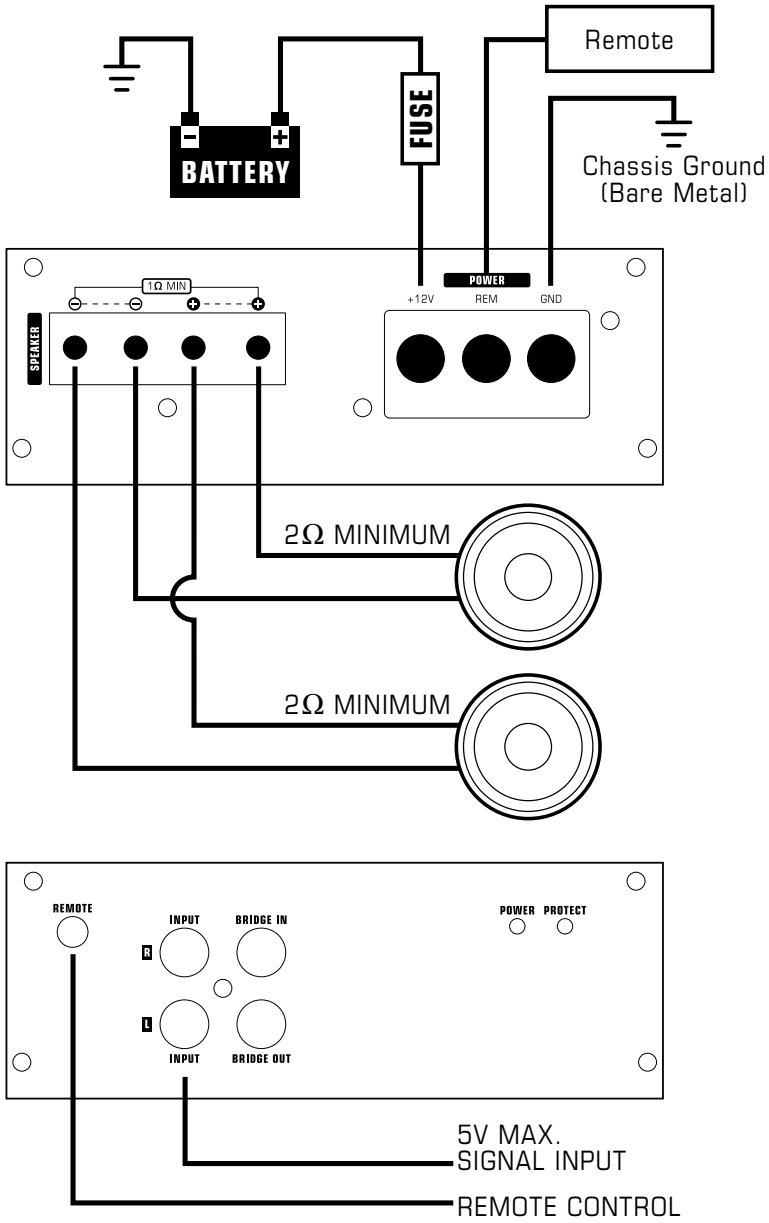
APSM-1150
One Speaker Mono



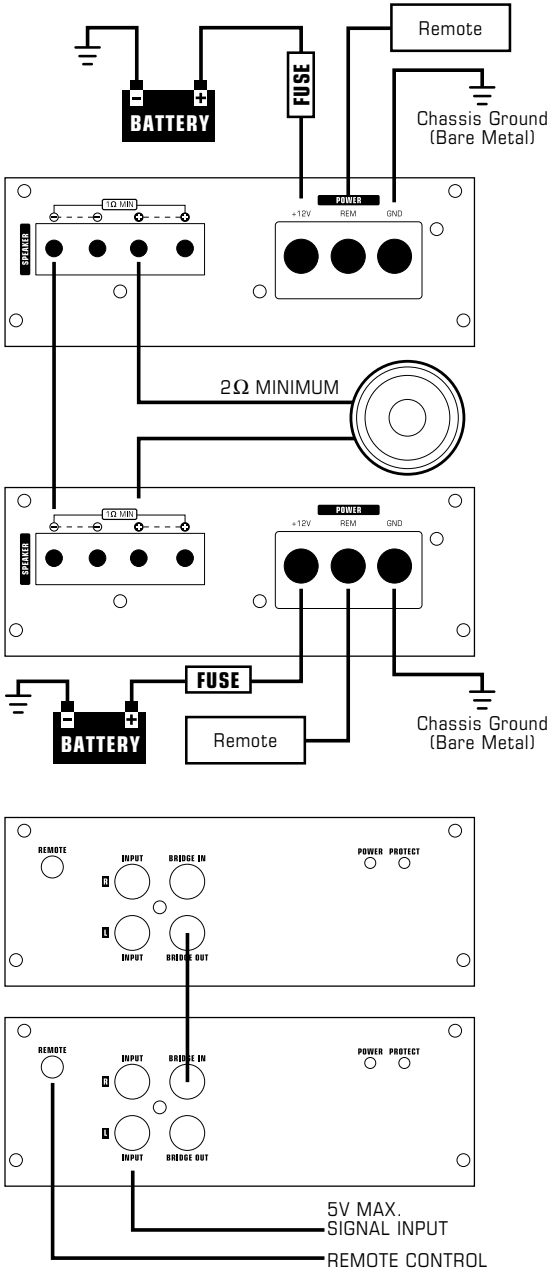
APSM-1300
One Speaker Mono



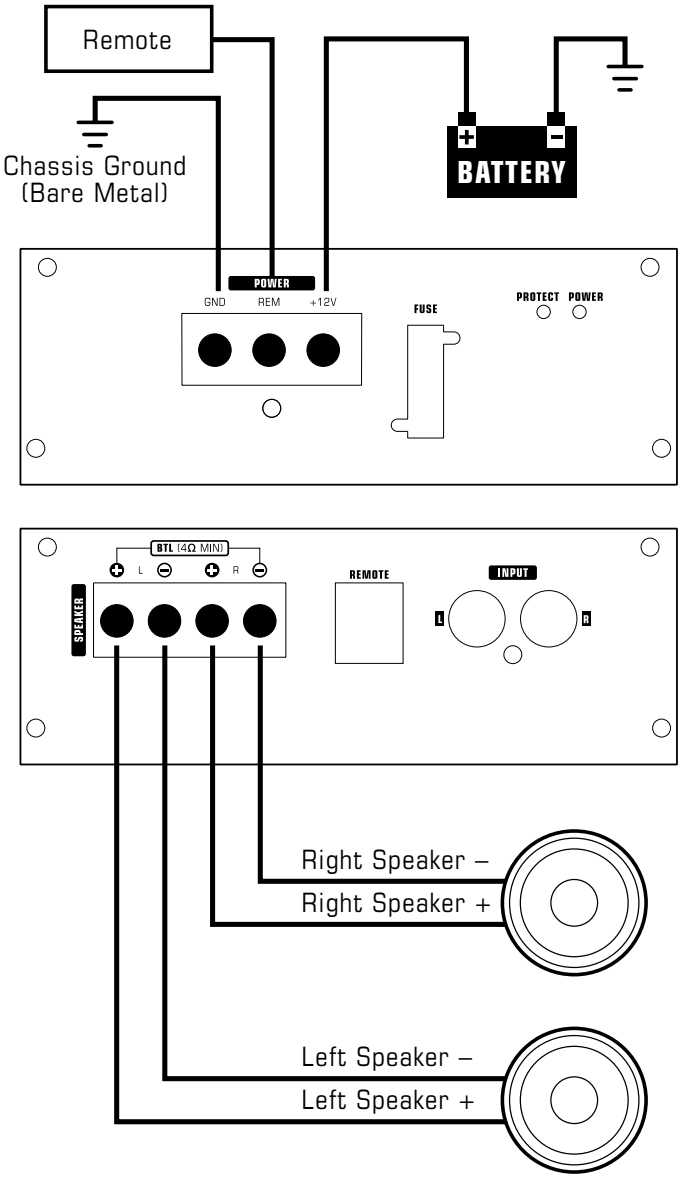
APSM-1300
Two Speaker Mono



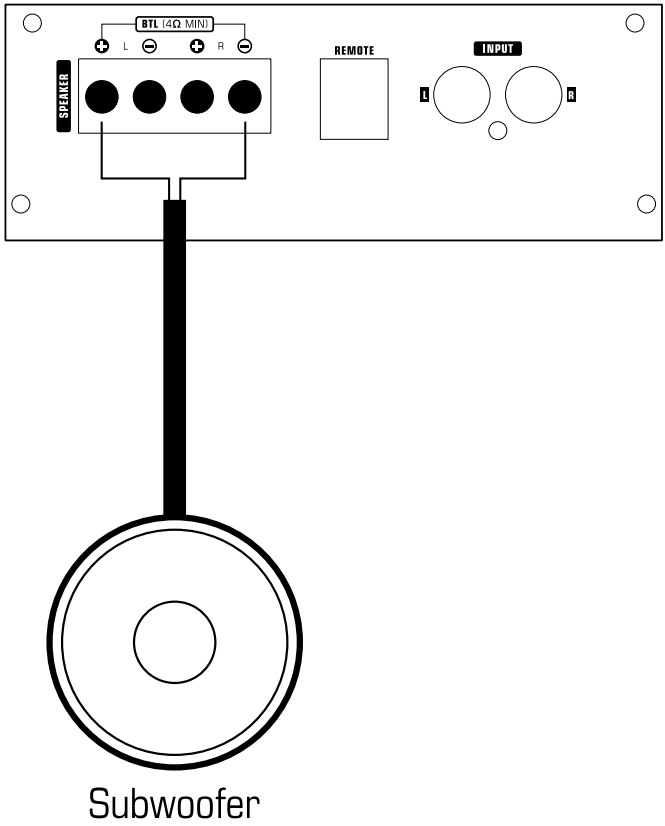
APSM-1300
Two Amplifiers to One Channel

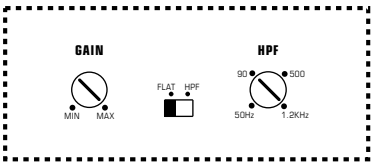


APSM-2075
2-Channel Full-Range Operation

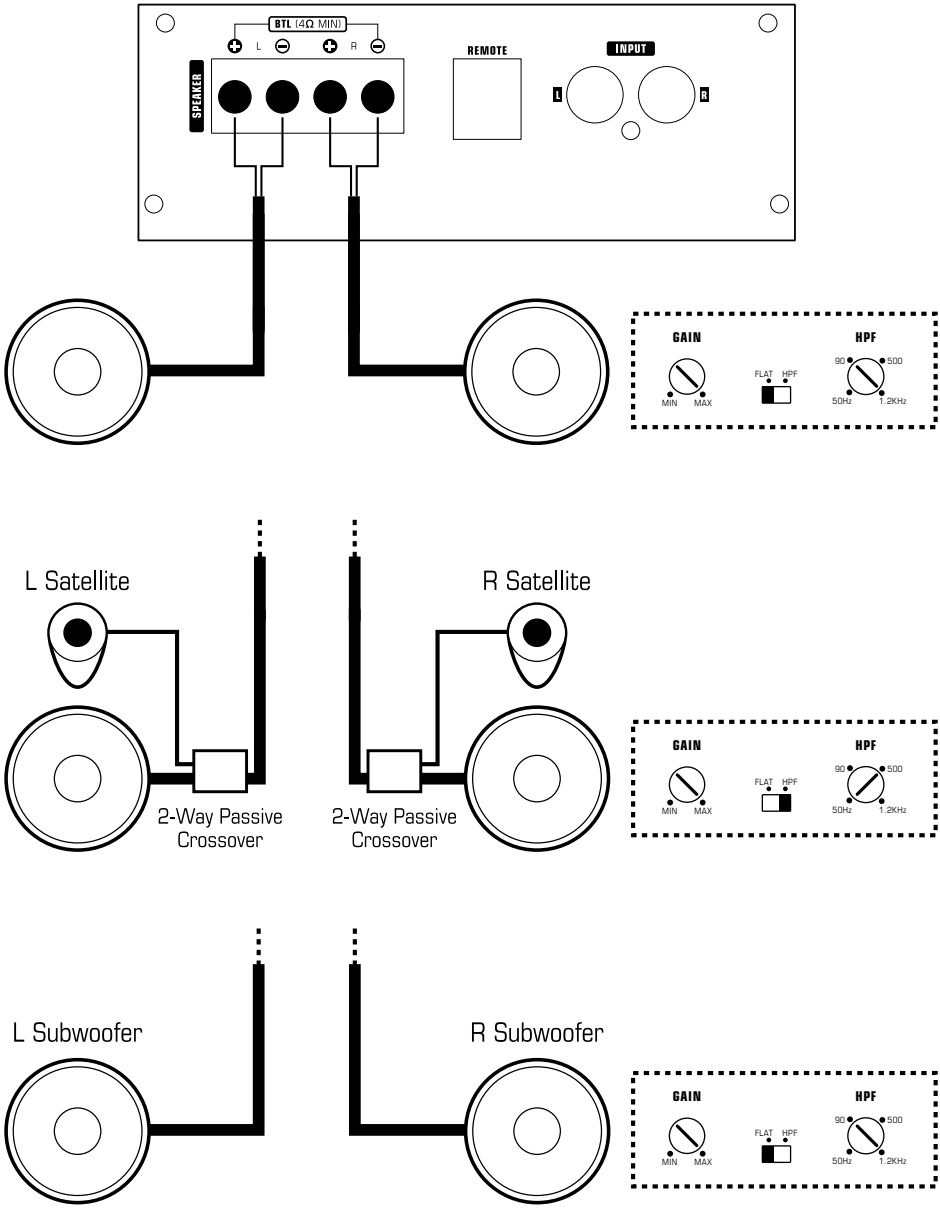


APSM-2075
Bridged - Mono Subwoofer System

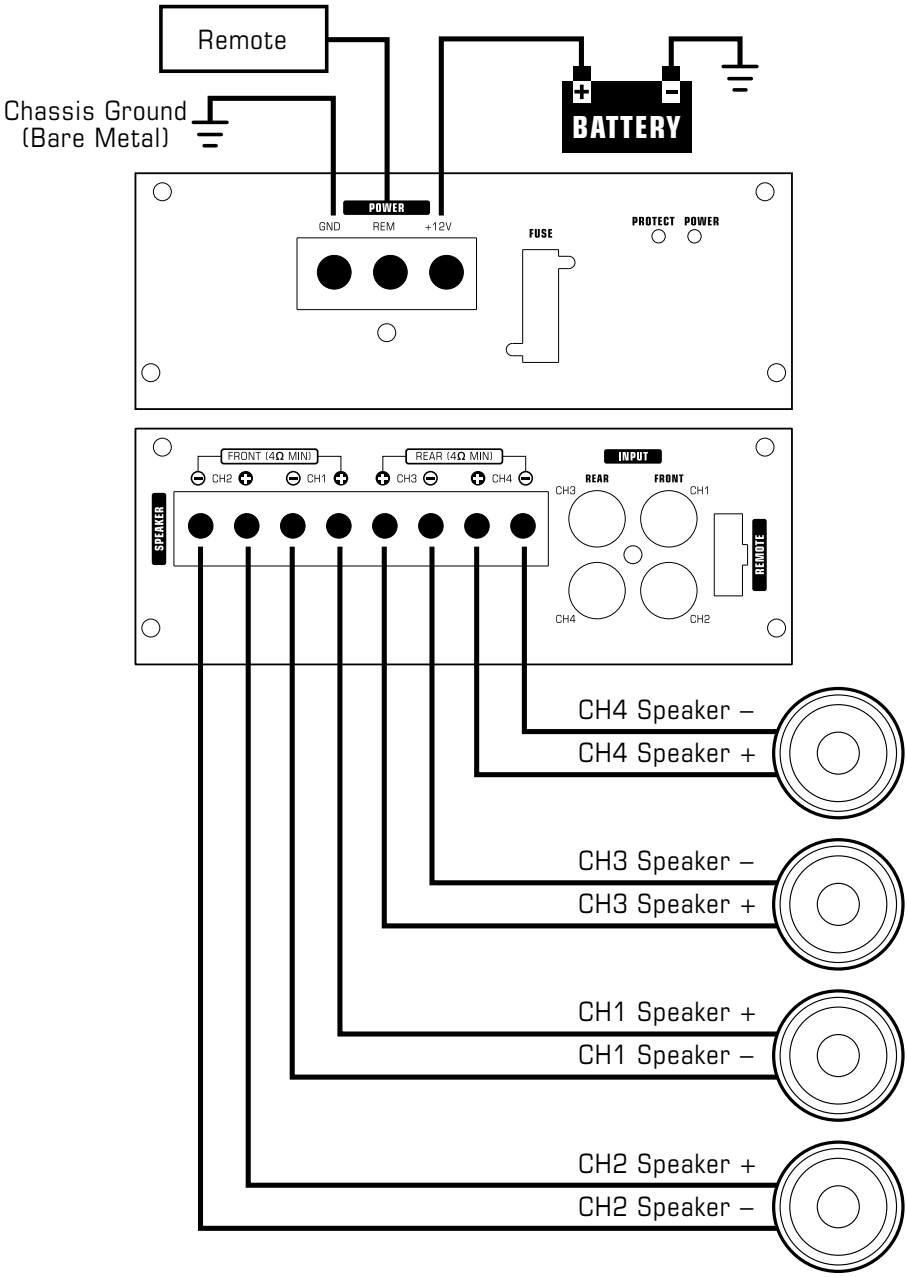




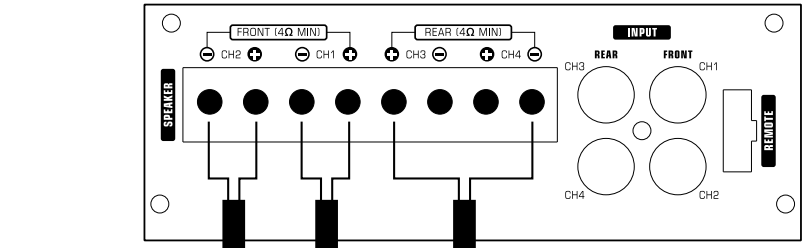
APSM-2075
2-Channel Full-Range Satellite, or Subwoofer FLAT System

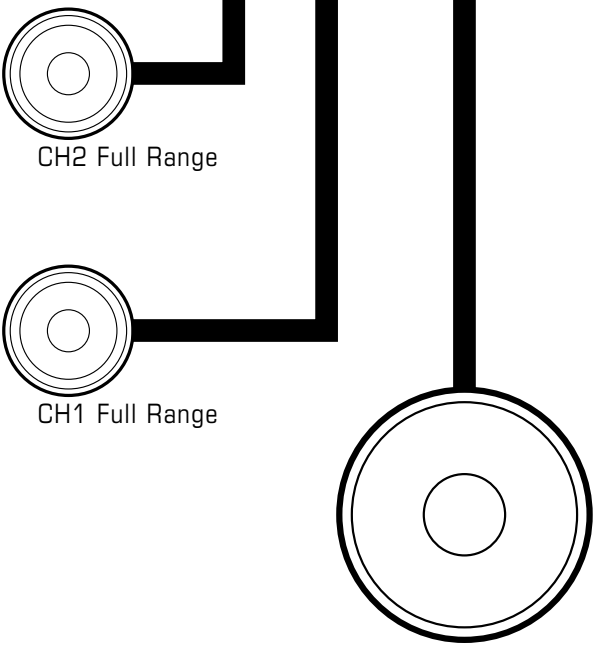


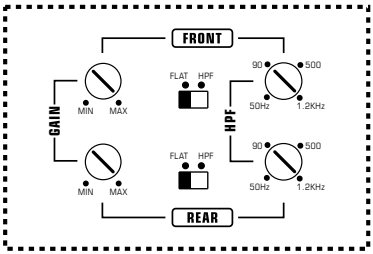
APSM-4050
4-Channel Full-Range Operation



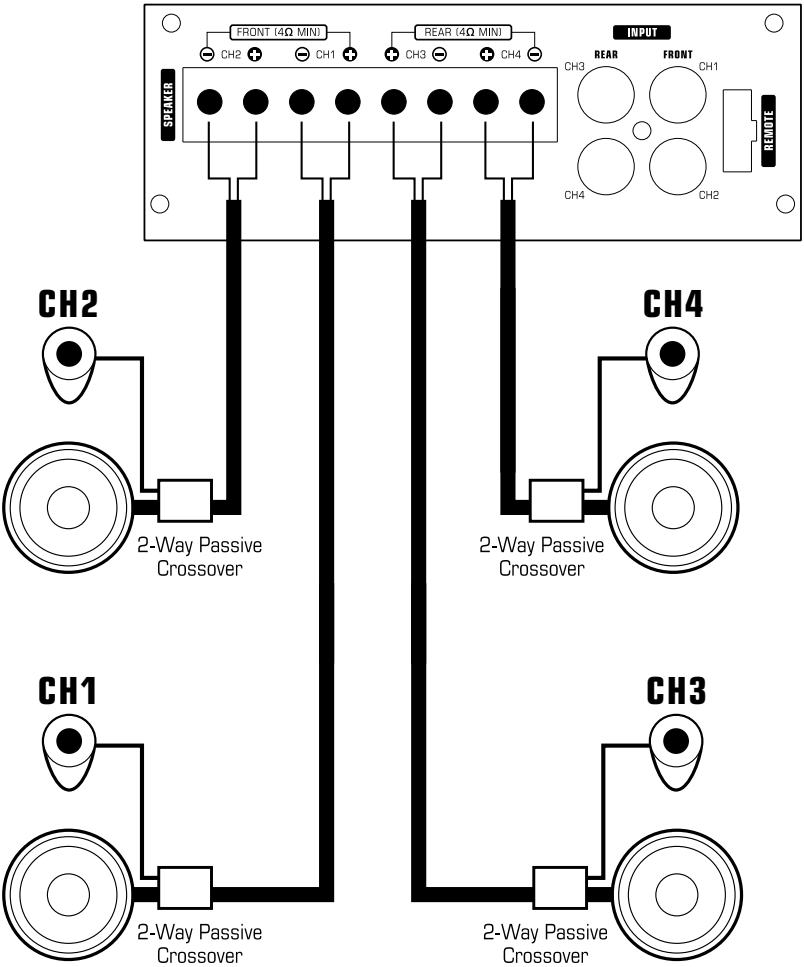
APSM-4050
Bridged - Mono Subwoofer System

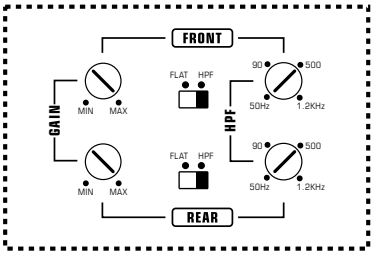






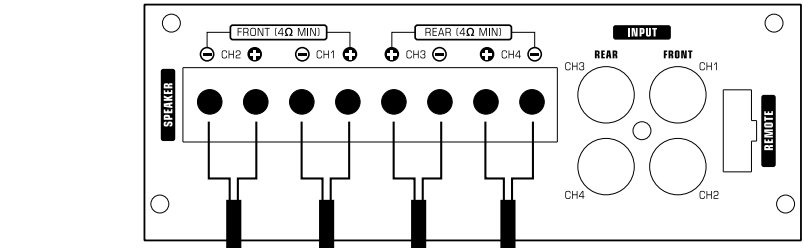
APSM-4050
2-Channel Full-Range Satellite, or Subwoofer FLAT System

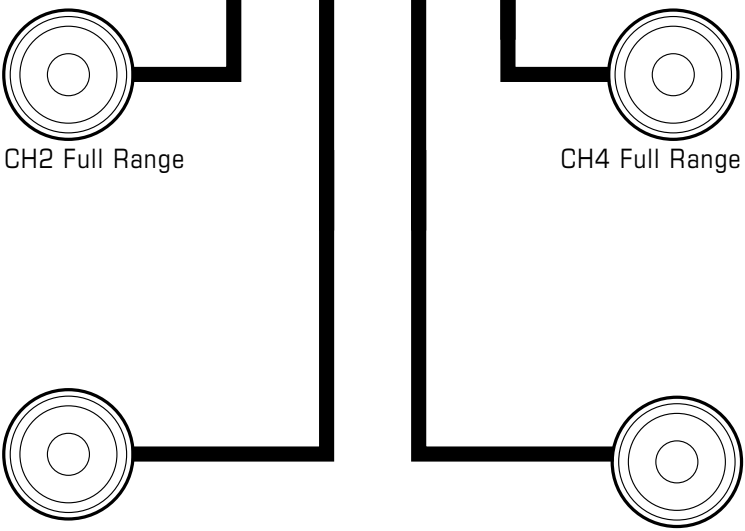




APSM-4050

2-Channel Full-Range Satellite, or Subwoofer FLAT System



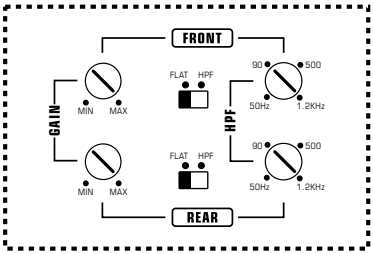


CH2 Full Range

CH4 Full Range

CH1 Full Range

CH3 Full Range



TROUBLESHOOTING

Problem

Run indicator doesn't light up.

Solution

- *Check all fuses on the amplifier.*
- *Check main fuse near the battery.*
- *Check plus and minus battery cables.*
- *Check remote voltage.*

Problem

Run indicator is on but no sound.

Solution

- *Check volume control on the radio.*
- *Check GAIN regulator on the amplifier.*
- *Check RCA cables and connections.*
- *Check speaker cables and connections.*

Problem

Bass response is low.

Solution

- *Check volume control on the radio.*
- *Check GAIN regulator on the amplifier.*
- *Check RCA cables and connections.*
- *Check speaker cables and connections.*

Problem

The amplifier switches on and off.

Solution

- *Check chassis ground connection with amplifier cable and check battery terminal connections and check remote turn-on voltage.*

For additional questions please contact your authorized Audiopipe dealer.

PRODUCT SPECIFICATIONS

APSM-1150

RMS @ 4 Ohm (<1% DISTORTION)	150W
RMS @ 2 Ohm (<1% DISTORTION)	230W
RMS @ 1 Ohm (<1% DISTORTION)	300W
Frequency Response	10 ~ 180Hz
Signal Noise Ratio	>85dB
THD	<0.15%
Input Sensitivity Level	0.2 ~ 5V
LPF	40 ~ 180Hz
SUBSONIC Filter	10 ~ 50Hz
Dimension (W x H x D)	154 x 49 x 176mm

APSM-1300

RMS @ 4 Ohm (<1% DISTORTION)	300W
RMS @ 2 Ohm (<1% DISTORTION)	600W
RMS @ 1 Ohm (<1% DISTORTION)	1000W
Frequency Response	8 ~ 180Hz
Signal Noise Ratio	>70dB
THD	<0.15%
Input Sensitivity Level	0.2 ~ 5V
LPF	40 ~ 180Hz
SUBSONIC Filter	5 ~ 50Hz
Dimension (W x H x D)	154 x 49 x 267mm

APSM-2075

RMS @ 4 Ohm (<1% DISTORTION)	2 x 75W
RMS @ 2 Ohm (<1% DISTORTION)	2 x 110W
Maximum Power Output	1 x 220W
Frequency Response	5 ~ 30kHz
Signal Noise Ratio	>80dB
THD	<0.05%
Input Sensitivity Level	0.2 ~ 6V
HPF	50 ~ 1.2kHz
Dimension (W x H x D)	154 x 49 x 176mm

APSM-2075

RMS @ 4 Ohm (<1% DISTORTION)	4 x 60W
RMS @ 2 Ohm (<1% DISTORTION)	4 x 80W
Maximum Power Output	2 x 150W
Frequency Response	5 ~ 30kHz
Signal Noise Ratio	>80dB
THD	<0.05%
Input Sensitivity Level	0.2 ~ 6V
HPF	50 ~ 1.2kHz
Dimension (W x H x D)	154 x 49 x 201mm

INTRODUCCION

Felicidades!

Gracias por comprar el amplificador AUDIOPIPE para el sistema de audio de su auto. Ahora usted posee un amplificador de diseño inflexible y fabricación que incorpora lo mas avanzado y nuevo de la tecnología de circuitos. Pronto descubrirá que nuestro amplificador posee un sonido óptimo de alta calidad y rendimiento confiable.

Los Amplificadores Audiopipe han adoptado una mano de obra avanzada, la cual utiliza componentes de alta calidad y tienen un sistema de control de estricta calidad, para proveerle el mejor rendimiento. Les recomendamos que contacte un concesionario Audiopipe autorizado para realizar la instalación.

Por favor leer este manual completo para asegurar que usted puede obtener el máximo beneficio de este nuevo amplificador. Cuando usted lo instala de modo apropiado, esta unidad le proveerá años de rendimiento libre de problemas.

ACERCA DEL MANUAL

Felicidades por su compra del amplificador de potencia Audiopipe. Nos comprometemos a darles una reproducción musical de alta calidad, y confiamos que usted se sienta satisfecho con su compra. Estos productos proveen un rendimiento óptimo, que estamos seguro usted disfrutará en años venideros.
Para un máximo rendimiento Audiopipe recomienda que su amplificador sea instalado por un concesionario Audiopipe autorizado.

GARANTIA

La garantía de este producto es por un año a partir de la fecha de compra contra todo defecto de fabricación solamente.
La garantía no incluye daños físicos o eléctricos provenientes de un trabajo excesivo ó cortocircuitos por fallas de las bocinas.
El amplificador debe ser instalado por un concesionario autorizado ó la garantia se cancela.
El amplificador debe ser retornado con flete pre-pagado, y nosotros lo retornaremos al concesionario autorizado con flete pagado.

TABLA DE CONTENIDOS

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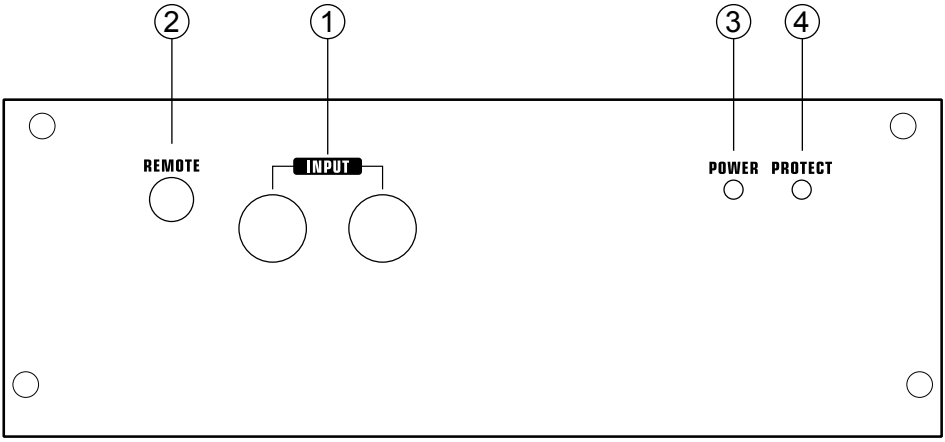
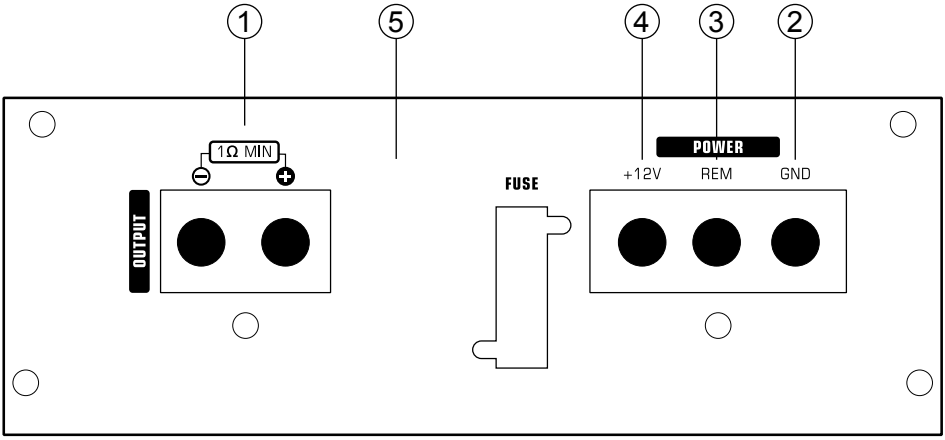
FUNCIONES DEL AMPLIFICADOR

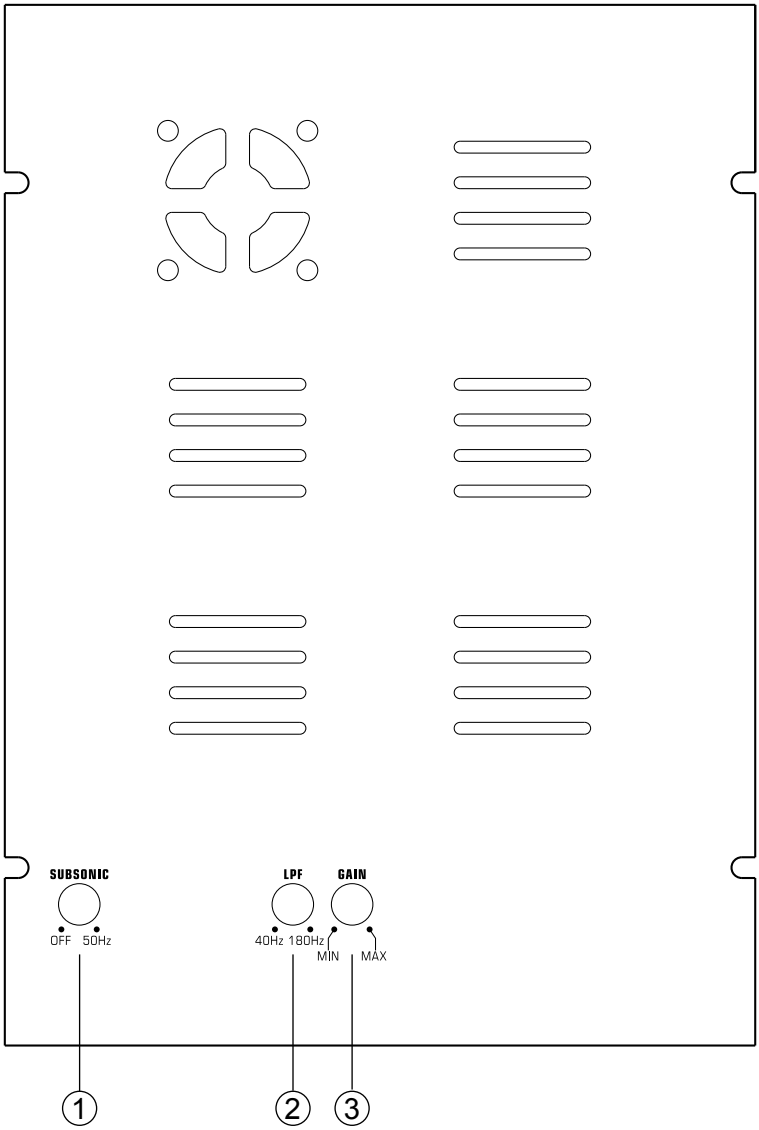
APSM-1150



1. Enchufes de Entrada RCA
2. Control Remoto del Nivel del Bajo
3. Indicador LED de Potencia
4. Indicador LED de Protección del Circuito

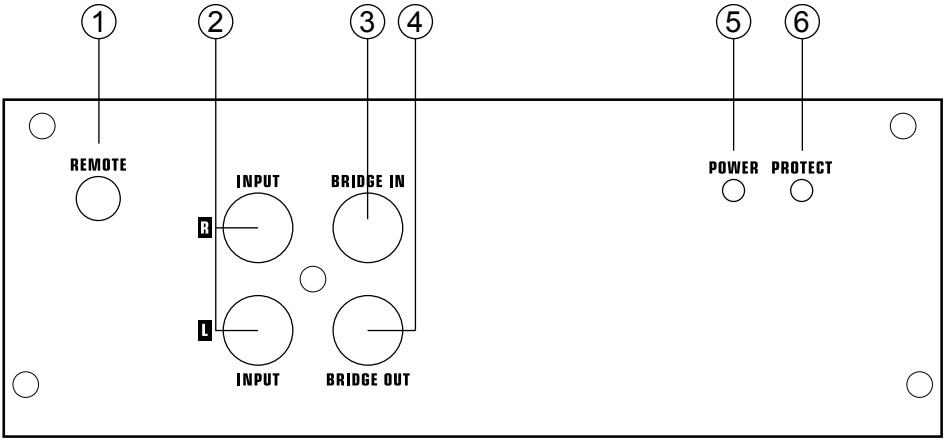


1. Conexión de la Bocina
2. Tierra
3. Entrada de Encendido del Remoto
4. Entrada de +12 Volts de la Batería
5. Fusible de 40AMP

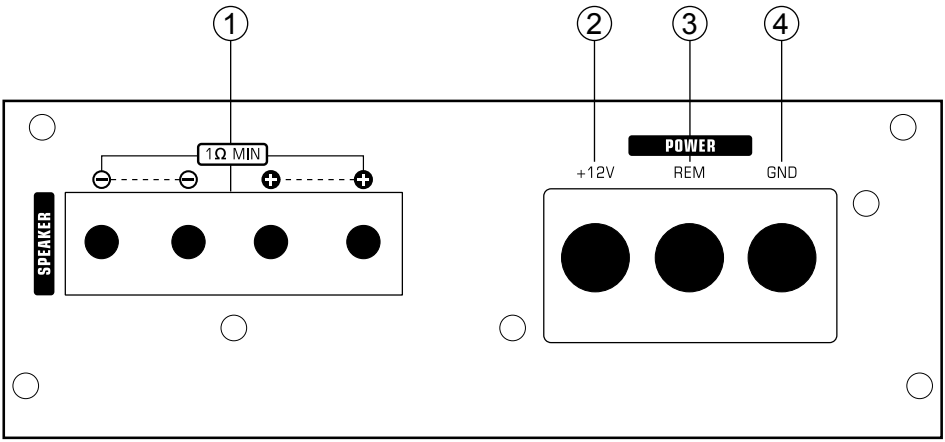


1. SUBSONICO
2. Filtro de Paso Bajo
3. Control de GANANCIA

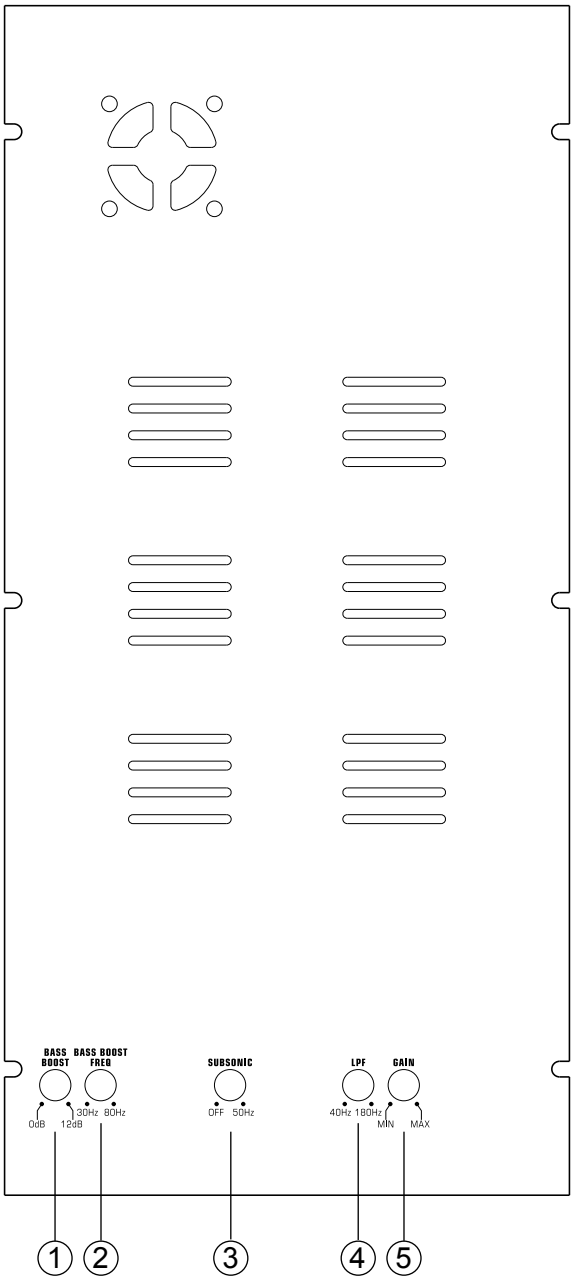
APSM-1300



1. Control Remoto del Nivel del Bajo
2. Enchufes de Entrada RCA
3. Entrada Puenteada
4. Salida Puenteada
5. Indicador LED de Potencia
6. Indicador LED de Protección de Circuito

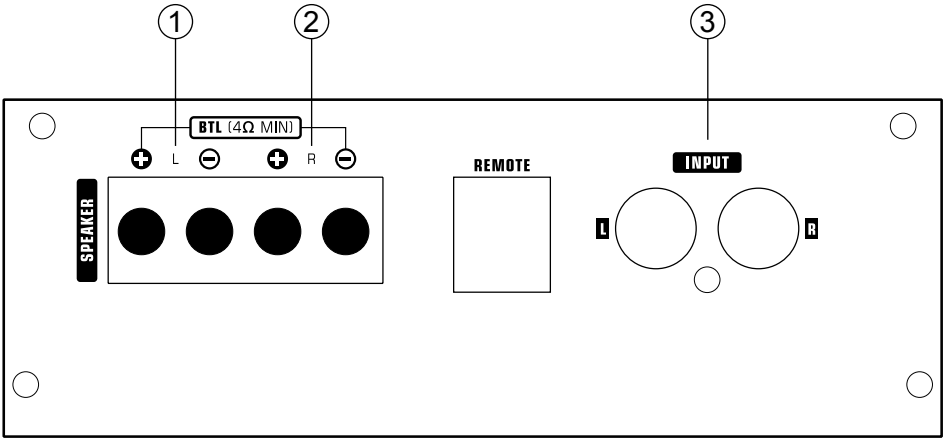


1. Conexión de la Bocina
2. Entrada de +12V de la Batería
3. Entrada de Encendido del Remoto
4. Tierra

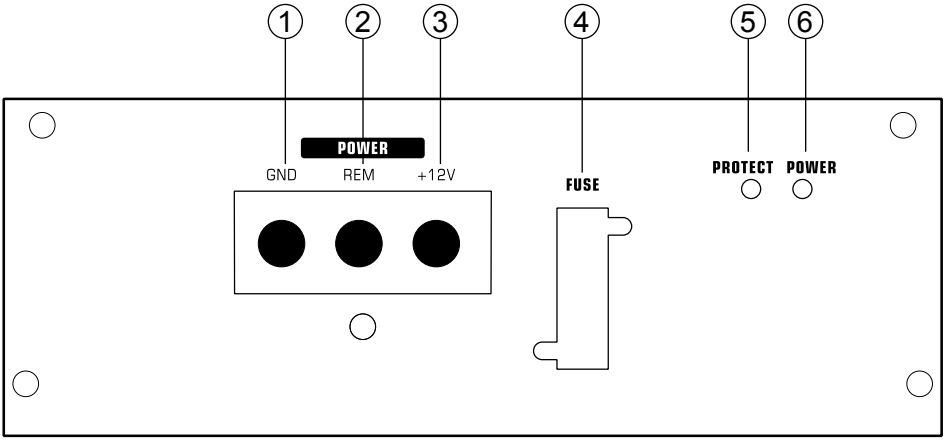


1. Incremento del Nivel del Bajo
2. Incremento de la Frecuencia del Bajo
3. SUBSONICO
4. Filtro de Paso Bajo
5. Control de GANANCIA

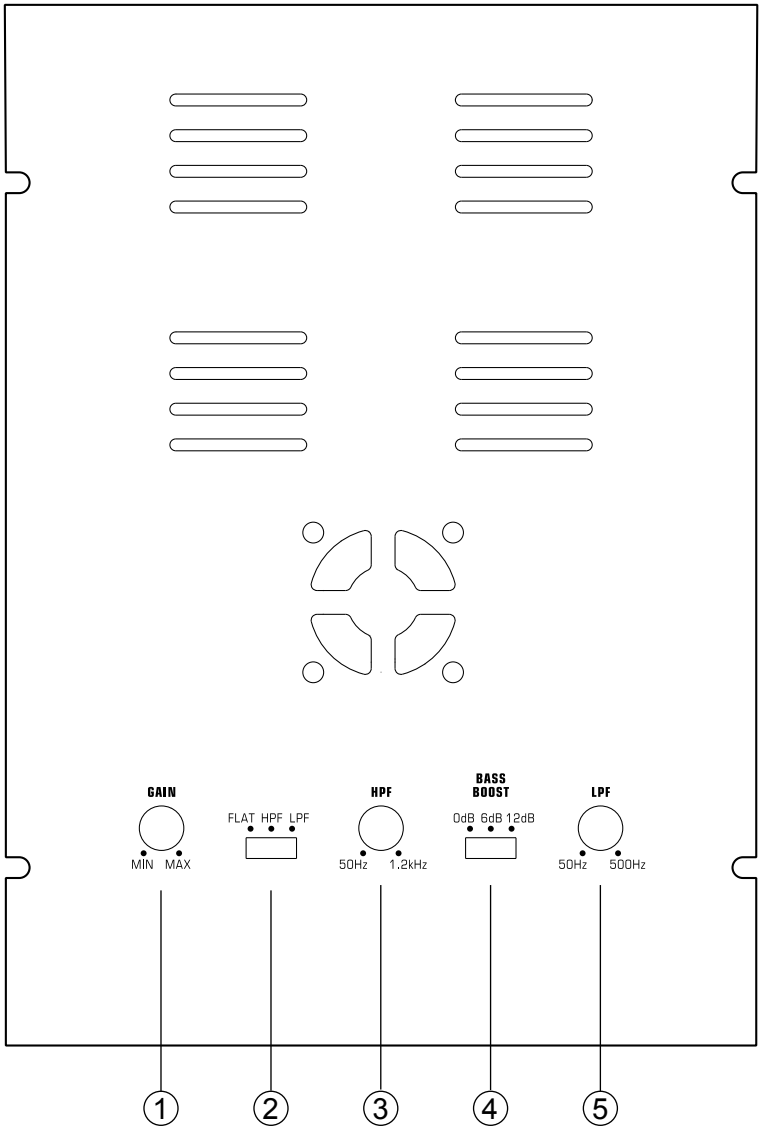
APSM-2075



1. Salida de la Bocina Izquierda
2. Salida de la Bocina Derecha
3. Enchufes de Entrada RCA

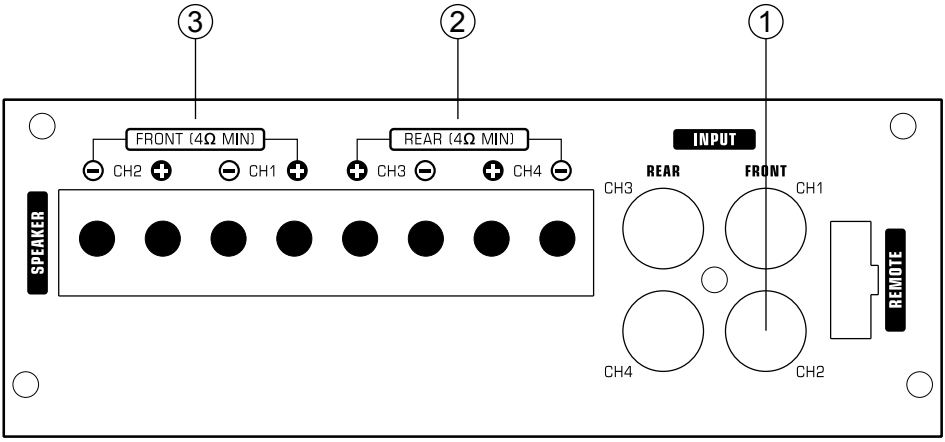


1. Tierra
2. Entrada de Encendido del Remoto
3. Entrada de +12V de la Bateria
4. Fusible de 30Amp
5. Indicador LED de Proteccion del Circuito
6. Indicador LED de Potencia

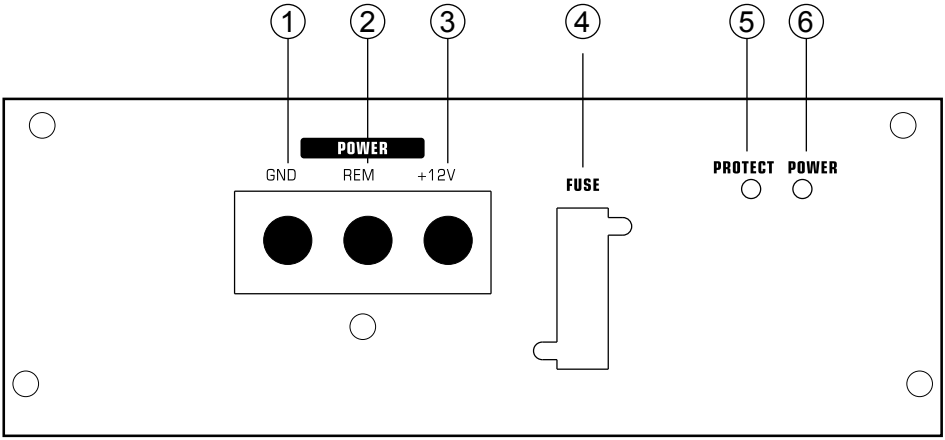


1. Control de GANANCIA
2. Interruptor Selector de Filtro
3. Control HPF
4. Incremento del Nivel del Bajo
5. Control LPF

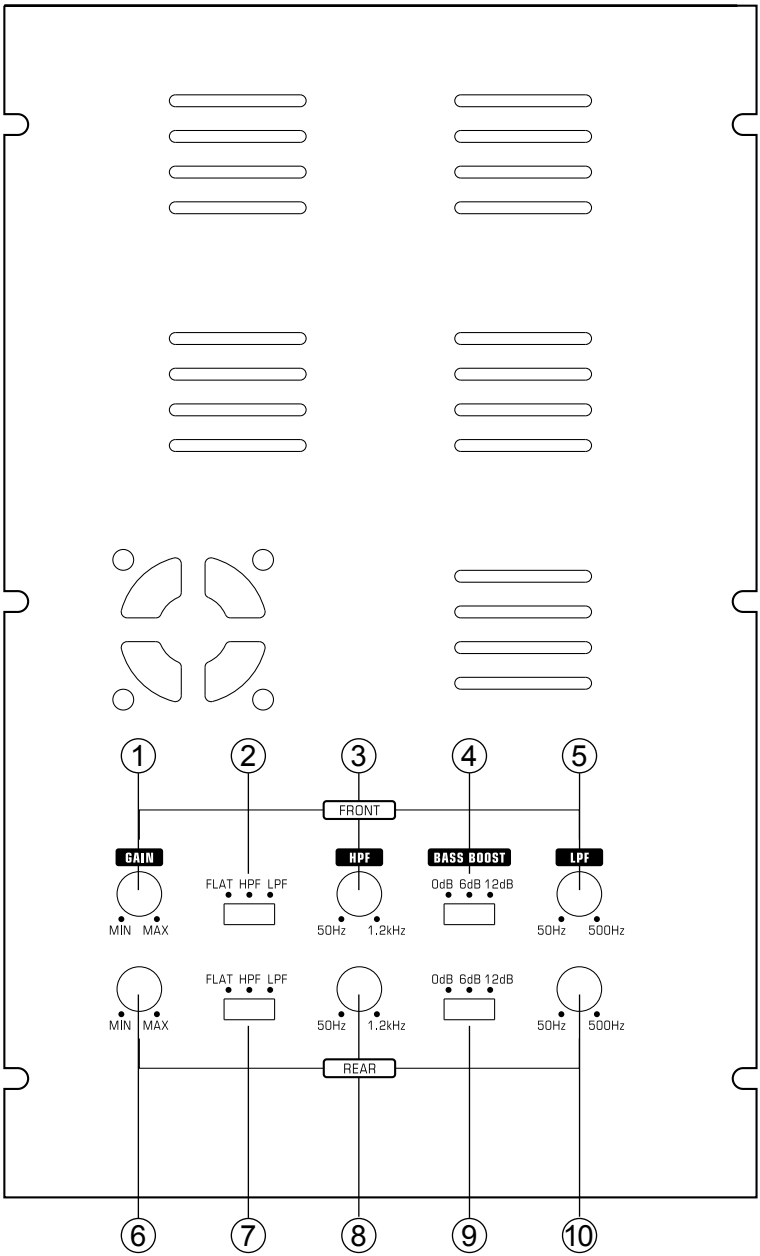
APSM-4050



1. Enchufe de Entrada RCA
2. Salida de la Bocina Posterior
3. Salida de la Bocina Frontal



1. Tierra
2. Entrada de Encendido del Remoto
3. Entrada de +12V de la Batería
4. Fusible de 40Amp
5. Indicador LED de Protección
6. Indicador LED de Potencia



1. Control Frontal de GANANCIA
2. Interruptor de Selector de Filtro Frontal
3. Control Frontal de HPF
4. Incremento del Nivel del Bajo Frontal
5. Control Frontal de LPF
6. Control Posterior de GANANCIA
7. Interruptor de Selector de Filtro Posterior
8. Control Posterior de HPF
9. Incremento del Nivel del Bajo Posterior
10. Control Posterior de LPF

PRE INSTALACIÓN

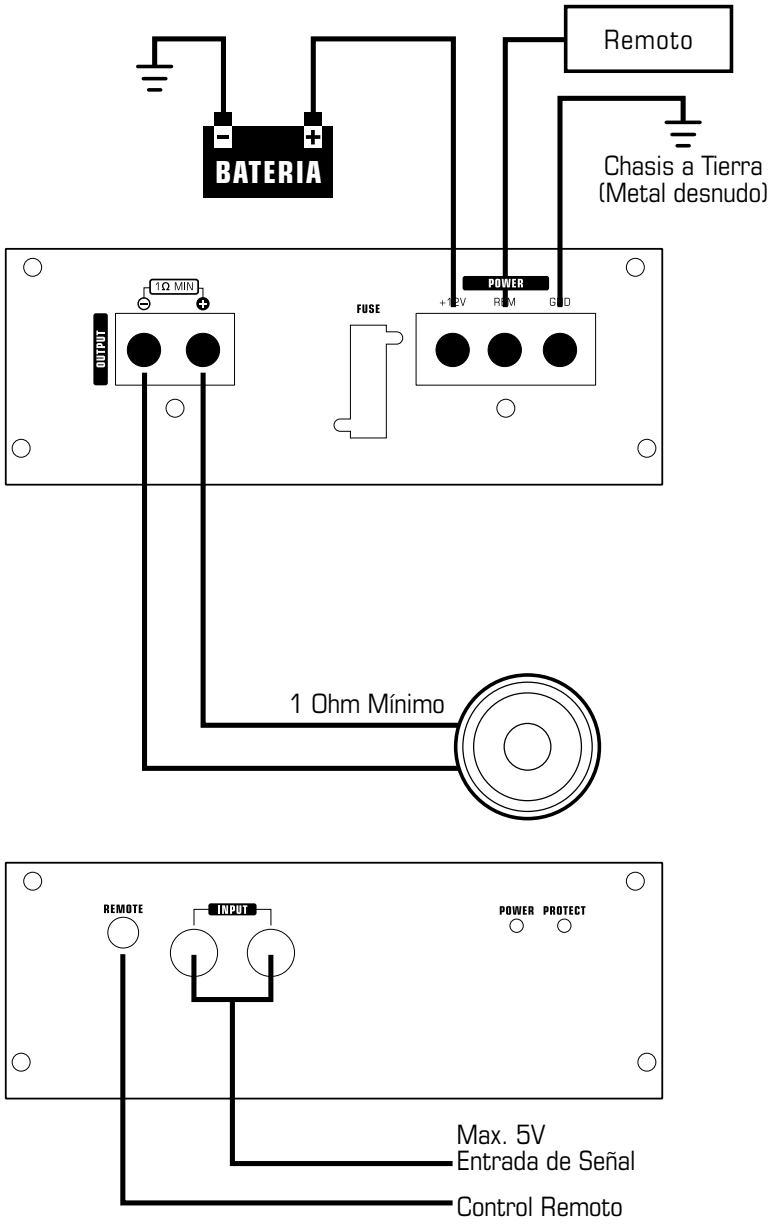
Le recomendamos que la instalación sea realizada por un concesionario autorizado AUDIOPIPE. El cable a tierra debe ser conectado directamente con el chasis de su vehículo el cual debe ser un punto de conexión a tierra metal a metal. El amplificador debe ser montado con seguridad a una parte solida, seca y con poca vibración de la superficie del maletero ó del área del pasajero. Monte el amplificador en una área abierta y aireada para asegurar una disipación de calor adecuada. Monte el amplificador en un lugar al cual usted tenga fácil acceso para colocar los controles de entrada. Instale todos los cables del amplificador tan lejos como sea posible de los cable eléctricos, tal como el cable de ignición del auto.

IMPORTANTE:

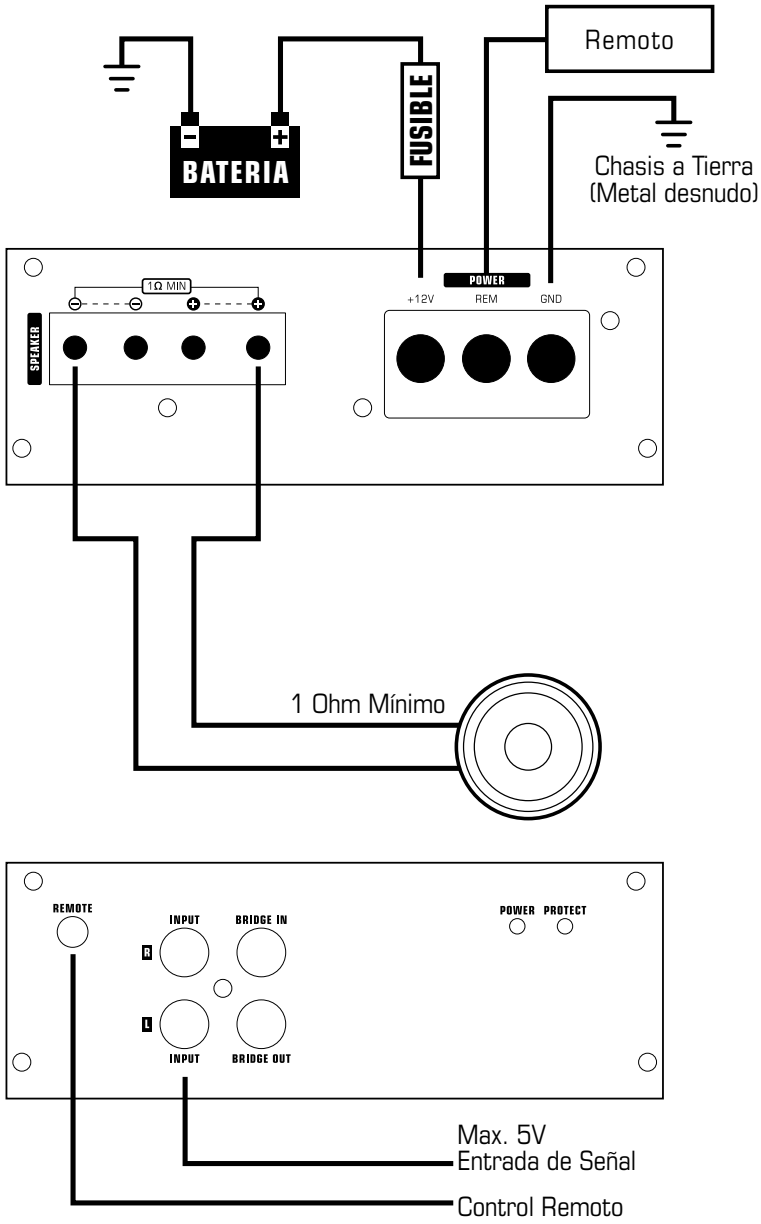
- Cuando haga puente en dos amplificadores, favor refiérase al gráfico del cableado en puente.
- Cuando haga puente en dos amplificadores, debe usar amplificadores del mismo modelo.
- Favor asegurarse que el terminal negativo de la bocina de los dos amplificadores estan conectado con cables del mismo calibre al que se ha usado en el terminal positivo.
- NO conecte ningun cable de señal con enchufes RCA de entrada cuando se hace puente como una unidad “esclava”.
- El filtro pasa bajos (LPF), el nivel de entrada y las funciones remotas deberan deshabilitarse en el amplificador “esclavo” cuando esta puenteado.
- Todas las funciones del amplificador “esclavo” deberán ajustarse por el amplificador principal.

CABLEADO Y APLICACIONES

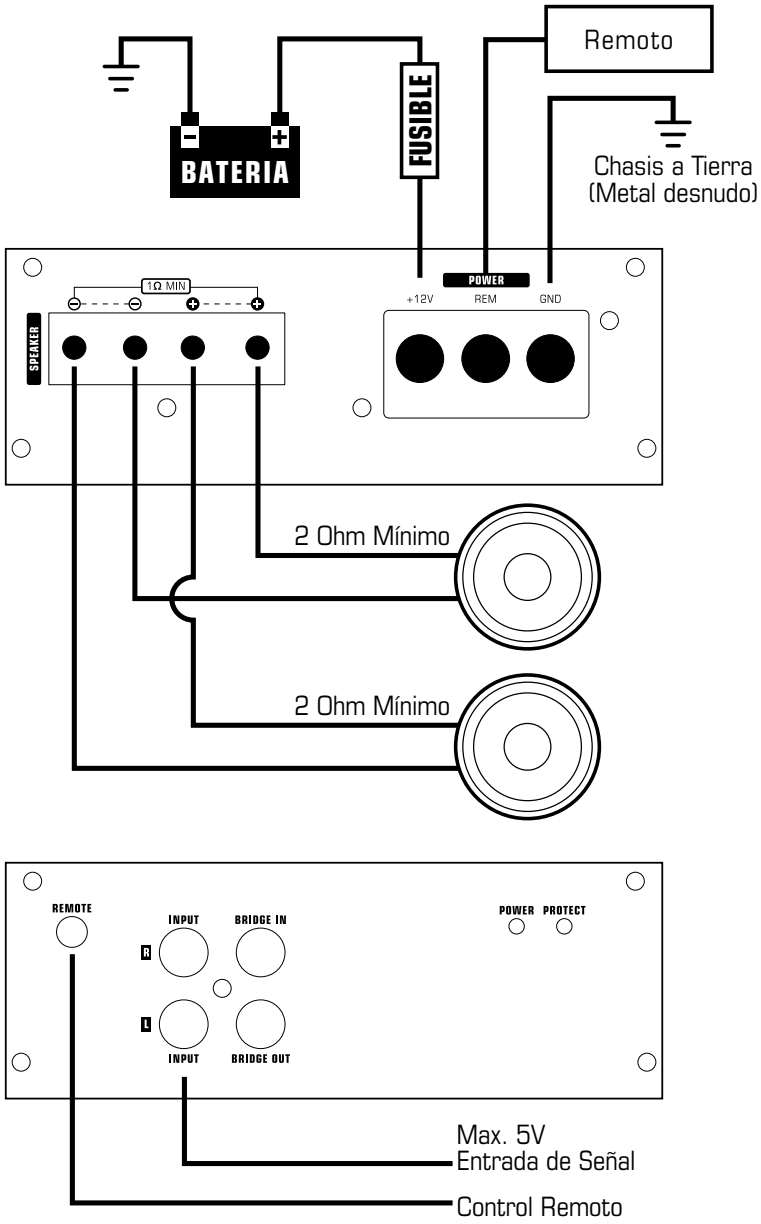
APSM-1150
UNA BOCINA MONO



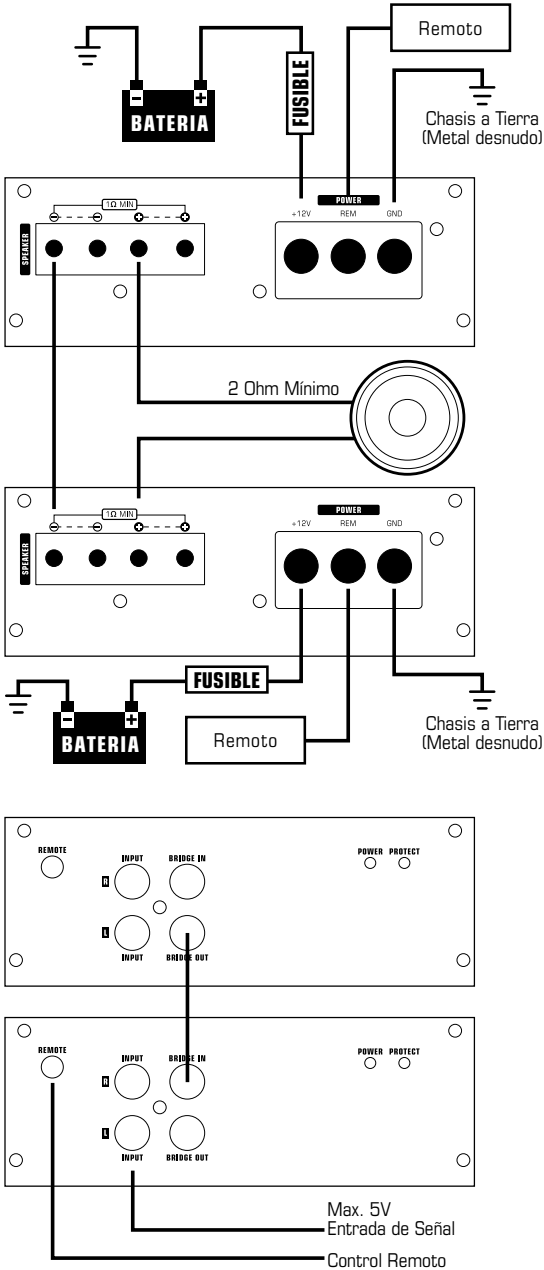
APSM-1300
UNA BOCINA MONO



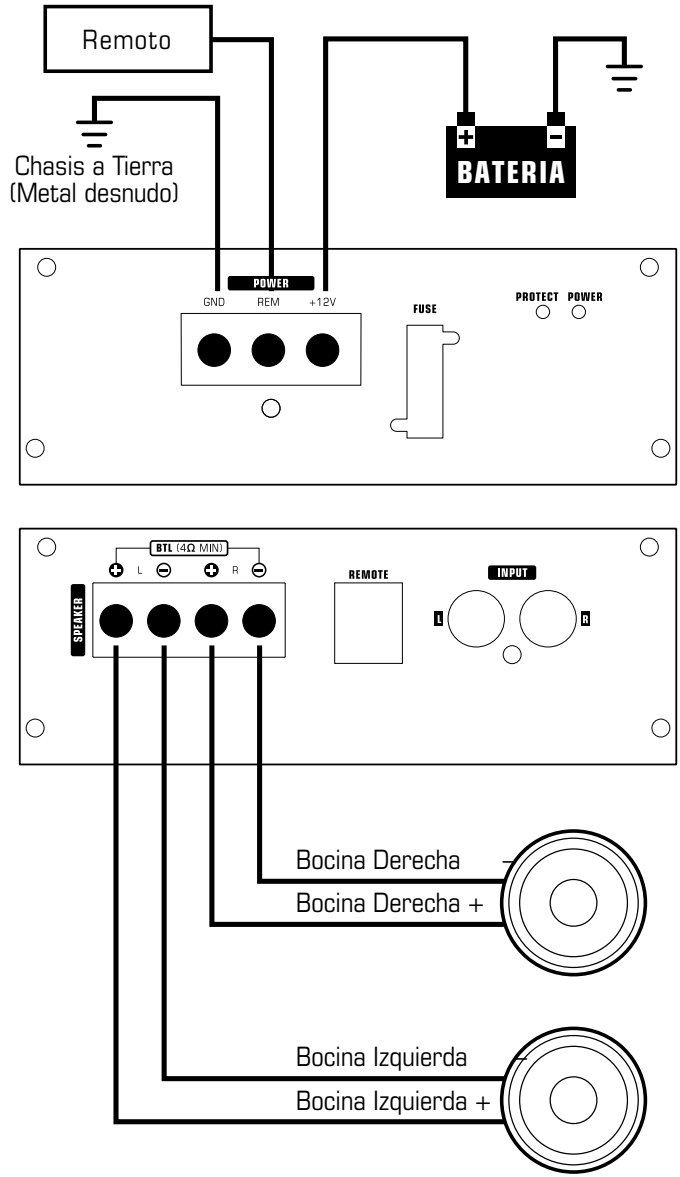
APSM-1300
DOS BOCINAS MONO



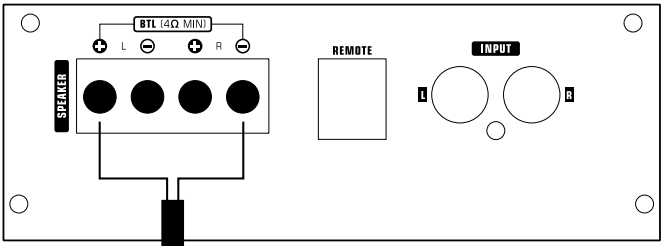
APSM-1300
DOS AMPLIFICADORES CONECTADOS A UN CANAL

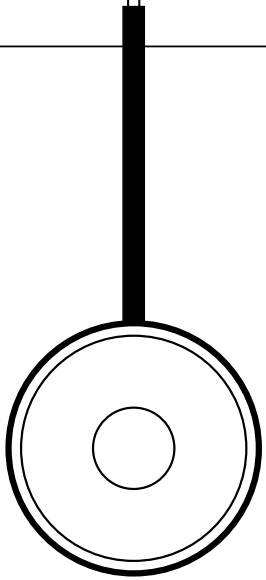


APSM-2075
2 CANALES OPERACION DE RANGO COMPLETO

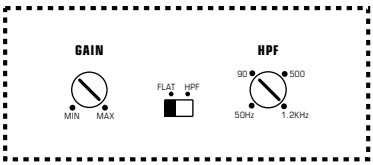


APSM-2075
SISTEMA DE SUBWOOFER MONO – PUENTEADO



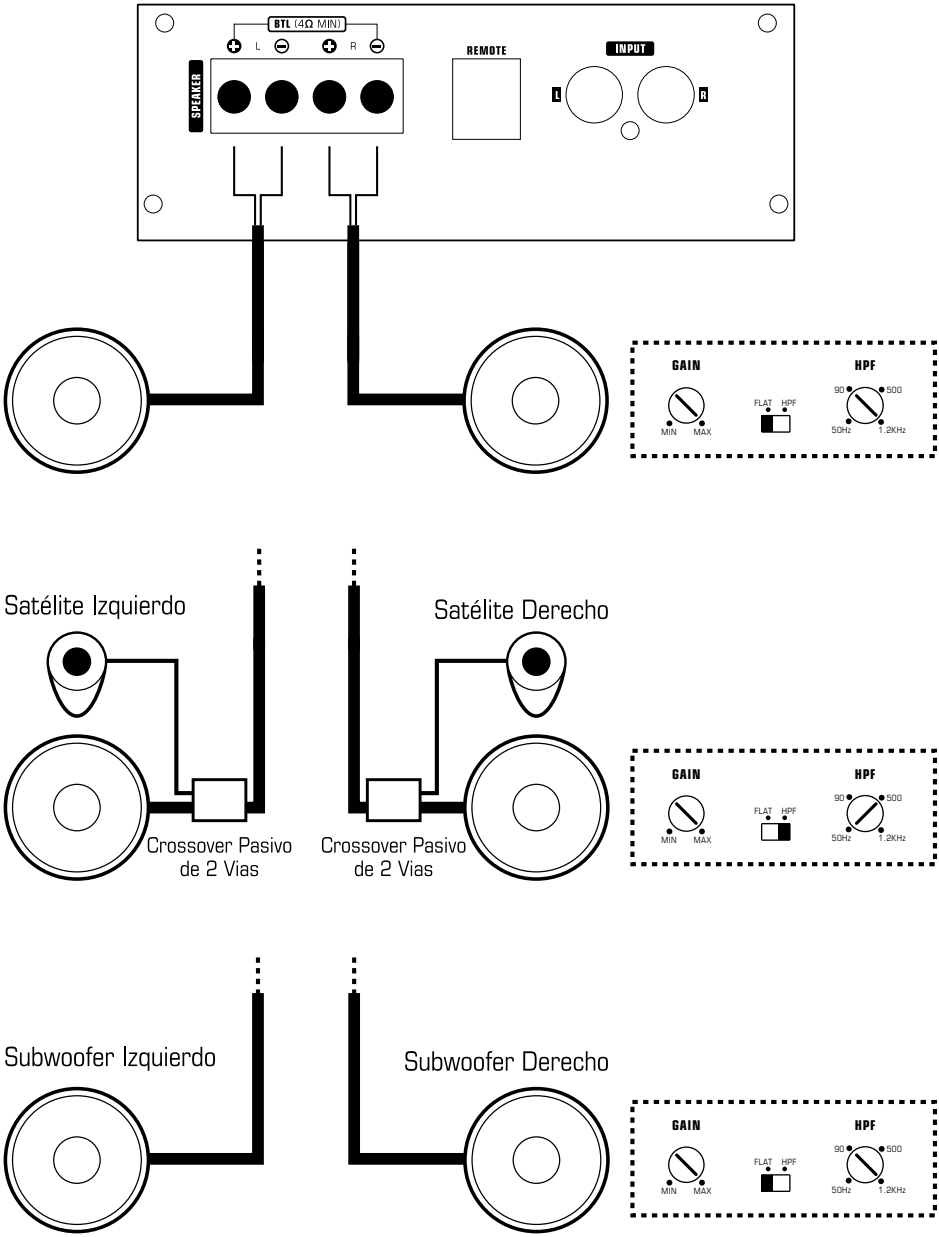


Subwoofer

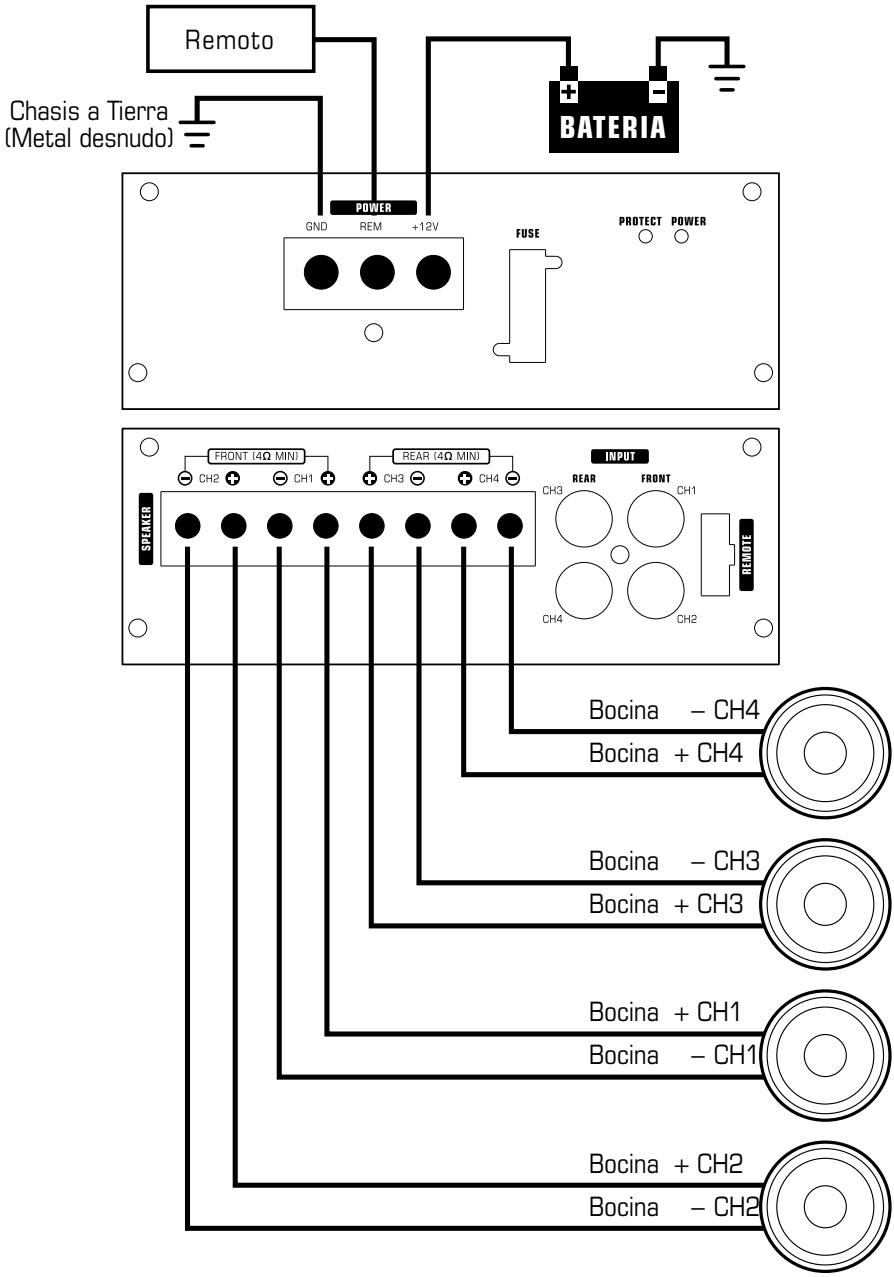


APSM-2075

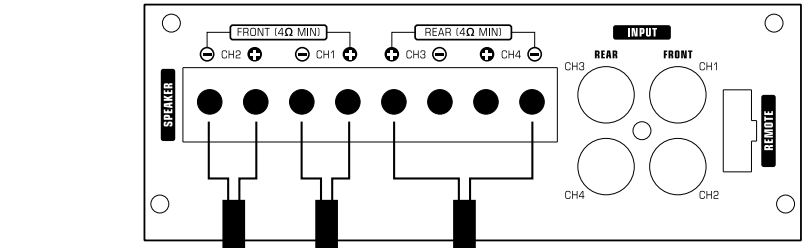
SATELITE DE 2 CANALES DE RANGO COMPLETO, O SISTEMA DE SUBWOOFER SENCILLO

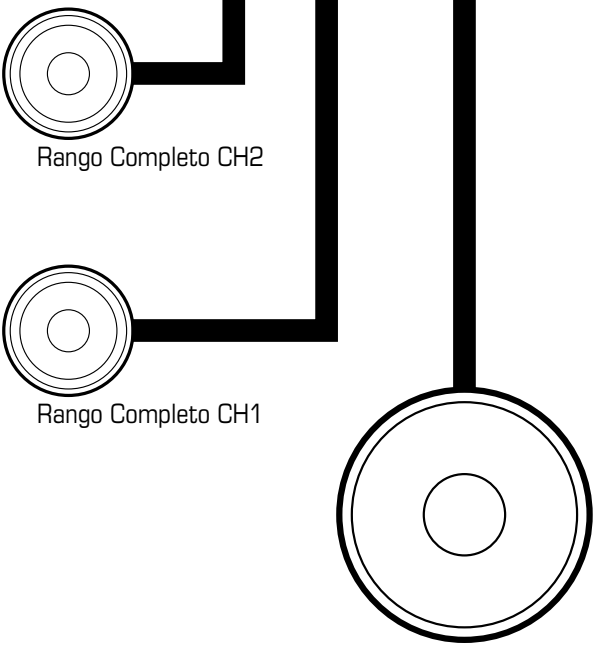


APSM-4050
OPERACIÓN DE RANGO COMPLETO DE 4-CANALES



APSM-4050
SISTEMA DE SUBWOOFER MONO – PUENTEADO

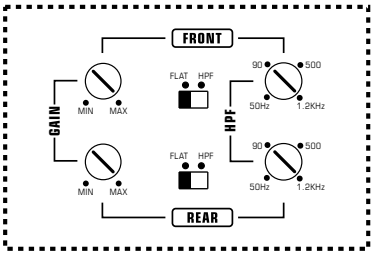




Rango Completo CH2

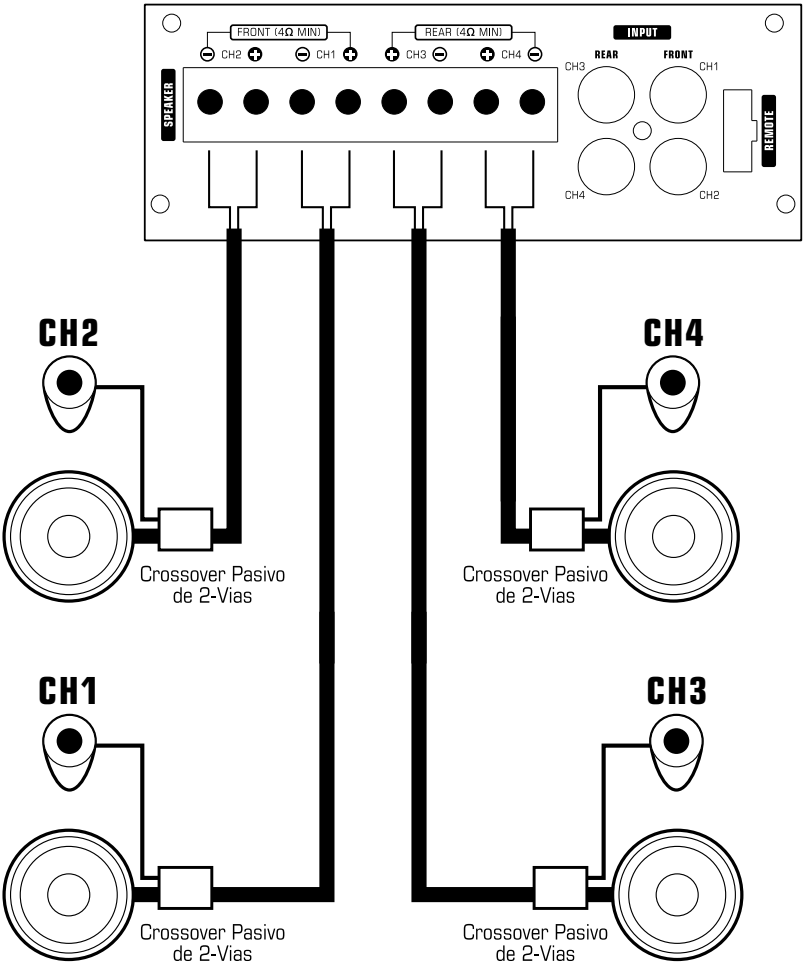
Rango Completo CH1

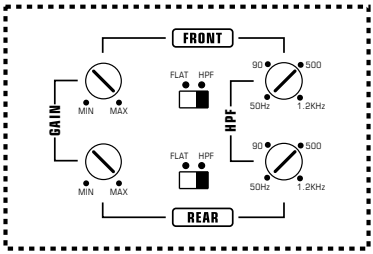
Subwoofer



APSM-4050

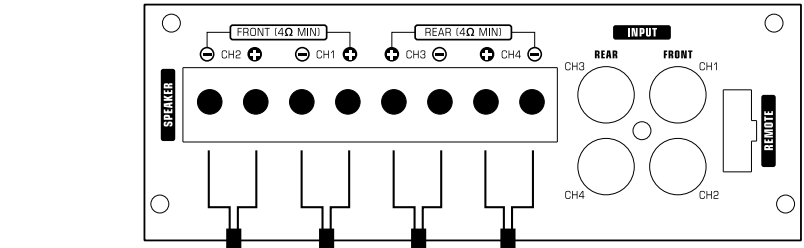
SATELITE DE 2 CANALES DE RANGO COMPLETO, O SISTEMA DE SUBWOOFER SENCILLO

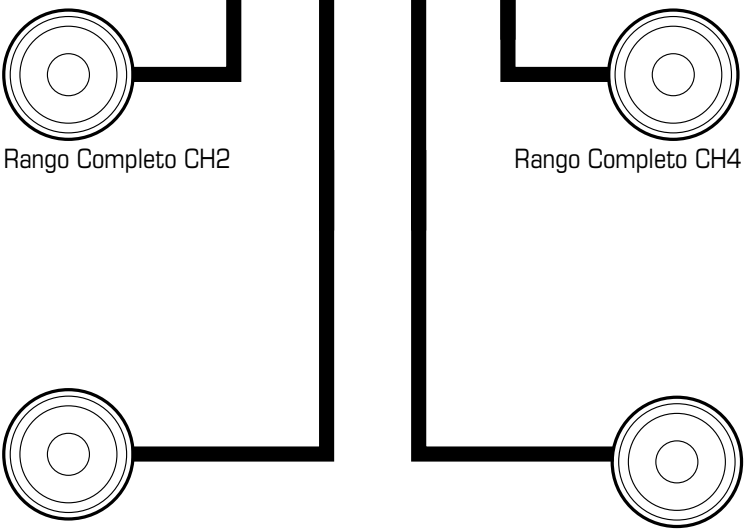




APSM-4050

SATELITE DE 2 CANALES DE RANGO COMPLETO, O SISTEMA DE SUBWOOFER SENCILLO



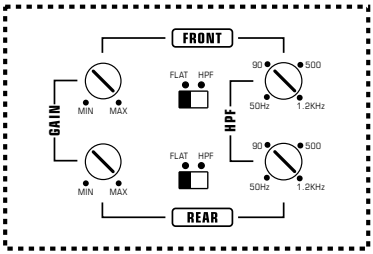


Rango Completo CH2

Rango Completo CH4

Rango Completo CH1

Rango Completo CH3



SOLUCION DE PROBLEMAS

Problema

El Indicador de Encendido no se ilumina.

Solución

- *Compruebe todos los fusibles en el amplificador.*
- *Compruebe el fusible principal cercano a la batería.*
- *Compruebe los cables + y – de la batería.*
- *Compruebe el voltaje del remoto.*

Problema

El indicador está encendido pero no existe sonido.

Solución

- *Compruebe el control de volumen del radio.*
- *Compruebe el regulador de GANANCIA en el amplificador.*
- *Compruebe los cables RCA y las conexiones.*
- *Compruebe los cables de las bocinas y conexiones.*

Problema

La respuesta del bajo es escasa.

Solución

- *Compruebe el control de volumen del radio.*
- *Compruebe el regulador de GANANCIA en el amplificador.*
- *Compruebe los cables RCA y las conexiones.*
- *Compruebe los cables de las bocinas y conexiones.*

Problema

El amplificador se enciende y se apaga.

Solución

- *Compruebe las conexiones del chasis a tierra con los cables del amplificador y verifique las conexiones de los terminales de la baterìa y el voltaje del encendido del remoto.*

Para problemas adicionales por favor contactar a un concesionario autorizado.

ESPECIFICACIONES DEL PRODUCTO

APSM-1150

RMS @ 4 Ohm (DISTORCION <1%)	150W
RMS @ 2 Ohm (DISTORCION <1%)	230W
RMS @ 1 Ohm (DISTORCION <1%)	300W
Respuesta de Frecuencia	10 ~ 180Hz
Relación Señal/Ruido	>85dB
THD	<0.15%
Sensitividad del Nivel de Entrada	0.2 ~ 5V
LPF	40 ~ 180Hz
Filtro SUBSONICO	10 ~ 50Hz
Dimensiones (L x A x H)	154 x 49 x 176mm

APSM-1300

RMS @ 4 Ohm (DISTORCION <1%)	300W
RMS @ 2 Ohm (DISTORCION <1%)	600W
RMS @ 1 Ohm (DISTORCION <1%)	1000W
Respuesta de Frecuencia	8 ~ 180Hz
Relación Señal/Ruido	>70dB
THD	<0.15%
Sensitividad del Nivel de Entrada	0.2 ~ 5V
LPF	40 ~ 180Hz
Filtro SUBSONICO	5 ~ 50Hz
Dimensiones (L x A x H)	154 x 49 x 267mm

APSM-2075

RMS @ 4 Ohm (DISTORCION <1%)	2 x 75W
RMS @ 2 Ohm (DISTORCION <1%)	2 x 110W
Salida de Potencia Máxima	1 x 220W
Respuesta de Frecuencia	5 ~ 30kHz
Relación Señal/Ruido	>80dB
THD	<0.05%
Sensitividad del Nivel de Entrada	0.2 ~ 6V
HPF	50 ~ 1.2kHz
Dimensiones (L x A x H)	154 x 49 x 176mm

APSM-2075

RMS @ 4 Ohm (DISTORCION <1%)	4 x 60W
RMS @ 2 Ohm (DISTORCION <1%)	4 x 80W
Salida de Potencia Máxima	2 x 150W
Respuesta de Frecuencia	5 ~ 30kHz
Relación Señal/Ruido	>80dB
THD	<0.05%
Sensitividad del Nivel de Entrada	0.2 ~ 6V
HPF	50 ~ 1.2kHz
Dimensiones (L x A x H)	154 x 49 x 201mm